MASSPHOTON

MASSPHOTON LIMITED

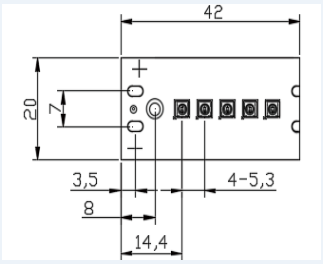
PRODUCT CATALOG

Page	Product model	Size（mm）	Type	LED Quantity（pcs）	Electric Power（W）	Input Current（mA）	Radiation Flux（mW）
1	MP-UVCMZ-1	42*20*3.2	Flat Quartz Plate	5	5	150~175	150~200
2	MP-UVCMZ-1T	42*20*4.6	Hemispherical Lens	5	5	150~175	150~200
3	MP-UVCMZ-1F	42*20*3.2	Flat Quartz Plate With Reflector	5	5	150~175	150~200
4	MP-UVCMZ-1TF	42*20*4.6	Hemispherical Lens With Reflector	5	5	150~175	150~200
5	MP-UVCMZ-2	76*20*3.2	Flat Quartz Plate	10	11	300~350	300~400
6	MP-UVCMZ-2T	76*20*4.6	Hemispherical Lens	10	11	300~350	300~400
7	MP-UVCMZ-2F	76*20*3.2	Flat Quartz Plate With Reflector	10	11	300~350	300~400
8	MP-UVCMZ-2TF	76*20*4.6	Hemispherical Lens With Reflector	10	11	300~350	300~400
9	MP-UVCMZ-3	110*20*3.2	Flat Quartz Plate	15	16	450~525	450~600
10	MP-UVCMZ-3T	110*20*4.6	Hemispherical Lens	15	16	450~525	450~600
11	MP-UVCMZ-3F	110*20*3.2	Flat Quartz Plate With Reflector	15	16	450~525	450~600
12	MP-UVCMZ-3TF	110*20*4.6	Hemispherical Lens With Reflector	15	16	450~525	450~600
13	MP-UVCMZ-4	144*20*3.2	Flat Quartz Plate	20	21	600~700	600~800
14	MP-UVCMZ-4T	144*20*4.6	Hemispherical Lens	20	21	600~700	600~800
15	MP-UVCMZ-4F	144*20*3.2	Flat Quartz Plate With Reflector	20	21	600~700	600~800
16	MP-UVCMZ-4TF	144*20*4.6	Hemispherical Lens With Reflector	20	21	600~700	600~800
17	MP-UVCMZ-7	250*20*3.2	Flat Quartz Plate	35	37	1050~1225	1050~1400
18	MP-UVCMZ-7T	250*20*4.6	Hemispherical Lens	35	37	1050~1225	1050~1400
19	MP-UVCMZ-7F	250*20*3.2	Flat Quartz Plate With Reflector	35	37	1050~1225	1050~1400
20	MP-UVCMZ-7TF	250*20*4.6	Hemispherical Lens With Reflector	35	37	1050~1225	1050~1400
21	MP-UVCMZ-14	500*20*3.2	Flat Quartz Plate	70	73	2100~2400	2100~2800
22	MP-UVCMZ-14T	500*20*4.6	Hemispherical Lens	70	73	2100~2400	2100~2800
23	MP-UVCMZ-14F	500*20*3.2	Flat Quartz Plate With Reflector	70	73	2100~2400	2100~2800
24	MP-UVCMZ-14TF	500*20*4.6	Hemispherical Lens With Reflector	70	73	2100~2400	2100~2800

DESCRIPTION

- Product model: MP-UVCMZ-1
- Size: 42*20*3.2 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection.





Note:
1. Unit of size: mm
2. Unmarked dimensional tolerances are ±0.2 mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications

Efficient Sterilization

Environmental Friendly

Low Power

Long Lifespan

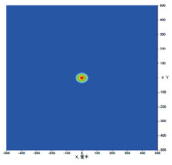
Versatile Applications For Disinfection

UV POWER DENSITY

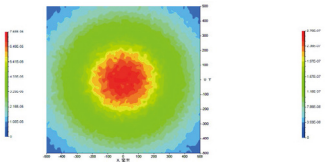
Measured UV Power Density at Varying Distance and Currents

Test Distance (mm)	Test Current (mA)	Edge (Left) uW/cm2	Center uW/cm2	Edge (Right) uW/cm2
20	150	11200	11400	11800
	175	12100	11988	11700
500	150	20	21	20
	175	48	48	47
1000	150	8	9	8
	175	10	10	11

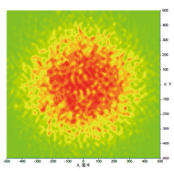
Simulation of optical density at 150 mA



20 mm



500 mm



1000 mm

PRODUCT SPECIFICATIONS

	Model	MP-UVCMZ-1
1	Electric Power	5 W
2	Input Voltage	35 V
3	Input Current	150~175 mA
4	UVC LED Power (per piece)	30~40 mW
5	LED Quantity	5 pcs
6	Radiation Flux	150~200 mW
7	Product Size	42*20 mm
8	UVC Wavelength	270-280 nm
9	LED Lifetime (L70)	10000~20000 H

Notes:

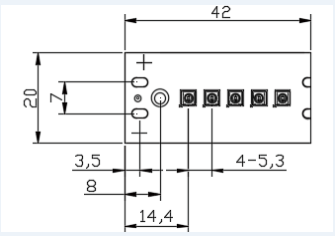
1.The variance of radiation flux testing is ± 5%.

2.All tests are conducted under standard conditions.

DESCRIPTION

- Product model: MP-UVCMZ-1T
- Size: 42*20*4.6 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection.





Note:
1. Unit of size: mm
2. Unmarked dimensional tolerances are ±0.2 mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications

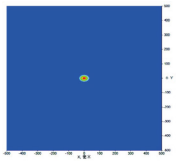
Efficient Sterilization | Environmental Friendly | Low Power | Long Lifespan | Versatile Applications For Disinfection

UV POWER DENSITY

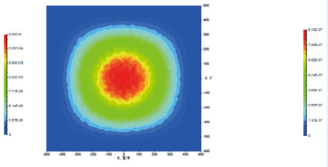
Measured UV Power Density at Varying Distance and Currents

Test Distance (mm)	Test Current (mA)	Edge (Left) uW/cm2	Center uW/cm2	Edge (Right) uW/cm2
20	150	20200	20200	20000
	175	21500	23000	22300
500	150	89	88	87
	175	96	100	98
1000	150	25	24	25
	175	33	31	32

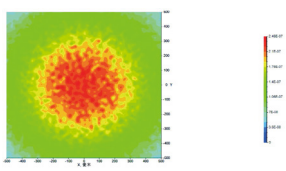
Simulation of optical density at 150 mA



20 mm



500 mm



1000 mm

PRODUCT SPECIFICATIONS

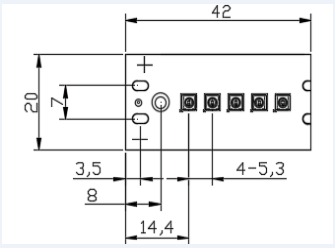
	Model	MP-UVCMZ-1T
1	Electric Power	5 W
2	Input Voltage	35 V
3	Input Current	150~175 mA
4	UVC LED Power (per piece)	30~40 mW
5	LED Quantity	5 pcs
6	Radiation Flux	150~200 mW
7	Product Size	42*20 mm
8	UVC Wavelength	270-280 nm
9	LED Lifetime (L70)	10000~20000 H

Notes:
1.The variance of radiation flux testing is ± 5%.
2.All tests are conducted under standard conditions.

DESCRIPTION

- Product model: MP-UVCMZ-1F
- Size: 42*20*3.2 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection.





Note:
1. Unit of size: mm
2. Unmarked dimensional tolerances are ±0.2 mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications

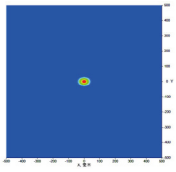
Efficient Sterilization | Environmental Friendly | Low Power | Long Lifespan | Versatile Applications For Disinfection

UV POWER DENSITY

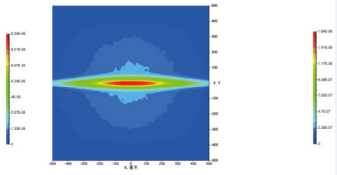
Measured UV Power Density at Varying Distance and Currents

Test Distance (mm)	Test Current (mA)	Edge(Left) uW/cm2	Center uW/cm2	Edge(Right) uW/cm2
20	150	10799	11055	11050
	175	12033	12558	11998
500	150	48	48	49
	175	53	54	53
1000	150	10	10	10
	175	12	12	13

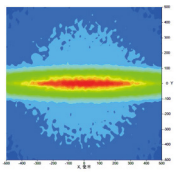
Simulation of optical density at 150 mA



20 mm



500 mm



1000 mm

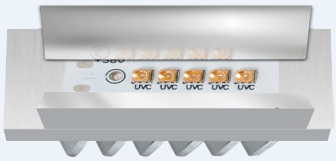
PRODUCT SPECIFICATIONS

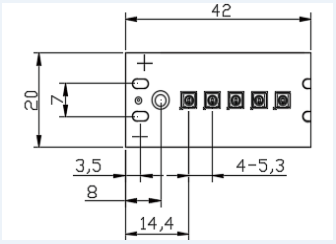
	Model	MP-UVCMZ-1F
1	Electric Power	5 W
2	Input Voltage	35 V
3	Input Current	150~175 mA
4	UVC LED Power (per piece)	30~40 mW
5	LED Quantity	5 pcs
6	Radiation Flux	150~200 mW
7	Product Size	42*20 mm
8	UVC Wavelength	270-280 nm
9	LED Lifetime (L70)	10000~20000 H

Notes:
1.The variance of radiation flux testing is ± 5%.
2.All tests are conducted under standard conditions.

DESCRIPTION

- Product model: MP-UVCMZ-1TF
- Size: 42*20*4.6 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection..





Note:
1. Unit of size: mm
2. Unmarked dimensional tolerances are ±0.2 mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications

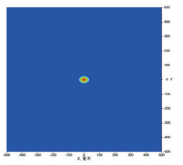
Efficient Sterilization | Environmental Friendly | Low Power | Long Lifespan | Versatile Applications For Disinfection

UV POWER DENSITY

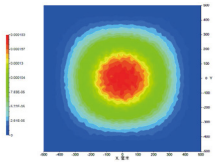
Measured UV Power Density at Varying Distance and Currents

Test Distance (mm)	Test Current (mA)	Edge(Left) uW/cm2	Center uW/cm2	Edge(Right) uW/cm2
20	150	23600	24000	24700
	175	24300	24900	25100
500	150	109	111	102
	175	153	147	152
1000	150	30	31	32
	175	36	35	34

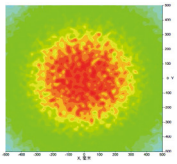
Simulation of optical density at 150 mA



20 mm



500 mm



1000 mm

PRODUCT SPECIFICATIONS

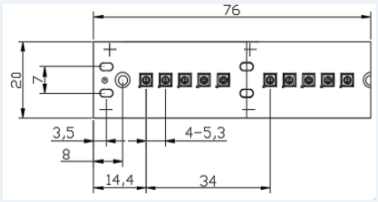
	Model	MP-UVCMZ-1F
1	Electric Power	5 W
2	Input Voltage	35 V
3	Input Current	150~175 mA
4	UVC LED Power (per piece)	30~40 mW
5	LED Quantity	5 pcs
6	Radiation Flux	150~200 mW
7	Product Size	42*20 mm
8	UVC Wavelength	270-280 nm
9	LED Lifetime (L70)	10000~20000 H

Notes:
1.The variance of radiation flux testing is ± 5%.
2.All tests are conducted under standard conditions.

DESCRIPTION

- Product model: MP-UVCMZ-2
- Size: 76*20*3.2 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection.





Note:

1. Unit of size: mm
2. Unmarked dimensional tolerances are ±0.2 mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications

Efficient Sterilization

Environmental Friendly

Low Power

Long Lifespan

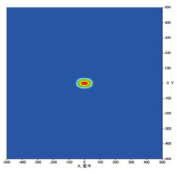
Versatile Applications For Disinfection

UV POWER DENSITY

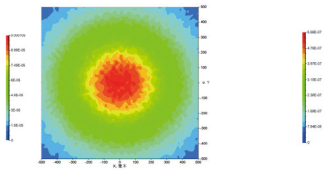
Measured UV Power Density at Varying Distance and Currents

Test Distance (mm)	Test Current (mA)	Edge (Left) uW/cm2	Center uW/cm2	Edge (Right) uW/cm2
20	300	12100	11100	11300
	350	12350	12000	12100
500	300	48	50	50
	350	58	56	55
1000	300	11	12	11
	350	14	13	12

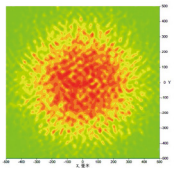
Simulation of optical density at 300 mA



20 mm



500 mm



1000 mm

PRODUCT SPECIFICATIONS

	Model	MP-UVCMZ-2
1	Electric Power	11 W
2	Input Voltage	35 V
3	Input Current	300~350 mA
4	UVC LED Power (per piece)	30~40 mW
5	LED Quantity	10 pcs
6	Radiation Flux	300~400 mW
7	Product Size	76*20 mm
8	UVC Wavelength	270-280 nm
9	LED Lifetime (L70)	10000~20000 H

Notes:

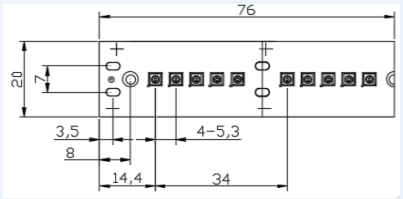
1.The variance of radiation flux testing is ± 5%.

2.All tests are conducted under standard conditions.

DESCRIPTION

- Product model: MP-UVCMZ-2T
- Size: 76*20*4.6 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection.





Note:

1. Unit of size: mm
2. Unmarked dimensional tolerances are ±0.2 mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications

Efficient Sterilization

Environmental Friendly

Low Power

Long Lifespan

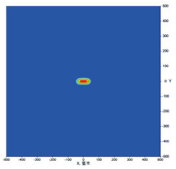
Versatile Applications For Disinfection

UV POWER DENSITY

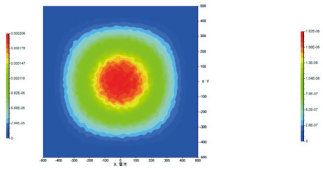
Measured UV Power Density at Varying Distance and Currents

Test Distance (mm)	Test Current (mA)	Edge (Left) uW/cm2	Center uW/cm2	Edge (Right) uW/cm2
20	300	21330	22020	21000
	350	23200	25400	25610
500	300	188	168	184
	350	202	205	203
1000	300	68	63	60
	350	72	75	75

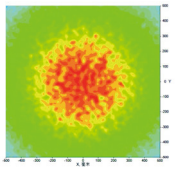
Simulation of optical density at 300 mA



20 mm



500 mm



1000 mm

PRODUCT SPECIFICATIONS

	Model	MP-UVCMZ-2T
1	Electric Power	11 W
2	Input Voltage	35 V
3	Input Current	300~350 mA
4	UVC LED Power (per piece)	30~40 mW
5	LED Quantity	10 pcs
6	Radiation Flux	300~400 mW
7	Product Size	76*20 mm
8	UVC Wavelength	270-280 nm
9	LED Lifetime (L70)	10000~20000 H

Notes:

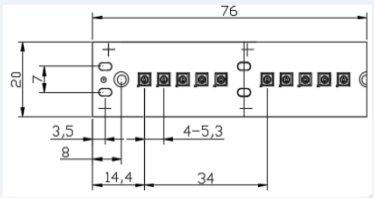
1.The variance of radiation flux testing is ± 5%.

2.All tests are conducted under standard conditions.

DESCRIPTION

- Product model: MP-UVCMZ-2F
- Size: 76*20*3.2 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection.





Note:
1. Unit of size: mm
2. Unmarked dimensional tolerances are ±0.2 mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications

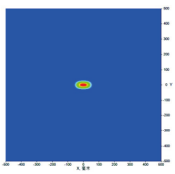
Efficient Sterilization | Environmental Friendly | Low Power | Long Lifespan | Versatile Applications For Disinfection

UV POWER DENSITY

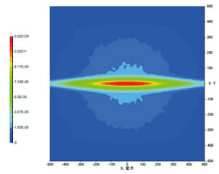
Measured UV Power Density at Varying Distance and Currents

Test Distance (mm)	Test Current (mA)	Edge (Left) uW/cm2	Center uW/cm2	Edge (Right) uW/cm2
20	300	12400	12200	12300
	450	12300	13430	12000
500	300	93	95	94
	450	108	106	108
1000	300	43	41	42
	450	59	60	61

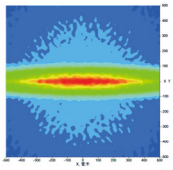
Simulation of optical density at 300 mA



20 mm



500 mm



1000 mm

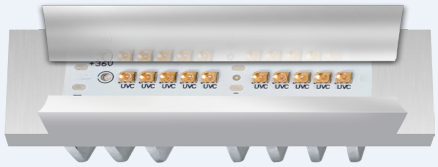
PRODUCT SPECIFICATIONS

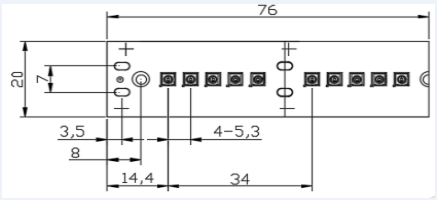
	Model	MP-UVCMZ-2F
1	Electric Power	11 W
2	Input Voltage	35 V
3	Input Current	300~350 mA
4	UVC LED Power (per piece)	30~40 mW
5	LED Quantity	10 pcs
6	Radiation Flux	300~400 mW
7	Product Size	76*20 mm
8	UVC Wavelength	270-280 nm
9	LED Lifetime (L70)	10000~20000 H

Notes:
1.The variance of radiation flux testing is ± 5%.
2.All tests are conducted under standard conditions.

DESCRIPTION

- Product model: MP-UVCMZ-2TF
- Size: 76*20*4.6 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection.





Note:

1. Unit of size: mm
2. Unmarked dimensional tolerances are ±0.2 mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications

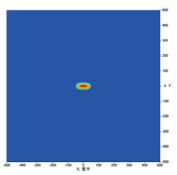
Efficient Sterilization | Environmental Friendly | Low Power | Long Lifespan | Versatile Applications For Disinfection

UV POWER DENSITY

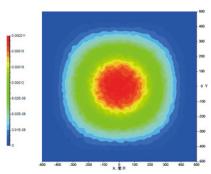
Measured UV Power Density at Varying Distance and Currents

Test Distance (mm)	Test Current (mA)	Edge(Left) uW/cm2	Center uW/cm2	Edge(Right) uW/cm2
20	300	23000	23100	24000
	350	24000	24500	24200
500	300	280	288	276
	350	315	322	314
1000	300	63	63	61
	350	76	78	78

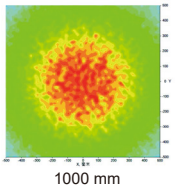
Simulation of optical density at 300 mA



20 mm



500 mm



1000 mm

PRODUCT SPECIFICATIONS

	Model	MP-UVCMZ-2TF
1	Electric Power	11 W
2	Input Voltage	35 V
3	Input Current	300~350 mA
4	UVC LED Power (per piece)	30~40 mW
5	LED Quantity	10 pcs
6	Radiation Flux	300~400 mW
7	Product Size	76*20 mm
8	UVC Wavelength	270-280 nm
9	LED Lifetime (L70)	10000~20000 H

Notes:

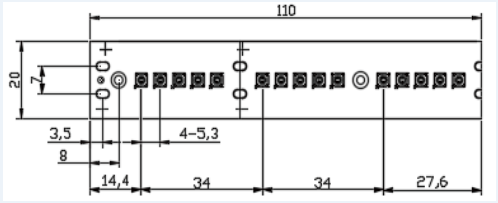
1.The variance of radiation flux testing is ± 5%.

2.All tests are conducted under standard conditions.

DESCRIPTION

- Product model: MP-UVCMZ-3
- Size: 110*20*3.2 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection.





Note:

1. Unit of size:mm
2. Unmarked dimensional tolerances are ±0.2 mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications

Efficient Sterilization

Environmental Friendly

Low Power

Long Lifespan

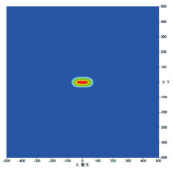
Versatile Applications For Disinfection

UV POWER DENSITY

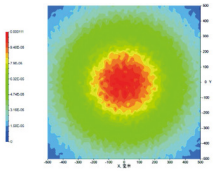
Measured UV Power Density at Varying Distance and Currents

Test Distance (mm)	Test Current (mA)	Edge(Left) uW/cm2	Center uW/cm2	Edge(Right) uW/cm2
20	450	11000	10880	11200
	525	11950	12620	12140
500	450	65	64	63
	525	69	68	70
1000	450	15	16	16
	525	17	18	18

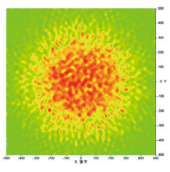
Simulation of optical density at 450 mA



20 mm



500 mm



1000 mm

PRODUCT SPECIFICATIONS

	Model	MP-UVCMZ-3
1	Electric Power	16 W
2	Input Voltage	35 V
3	Input Current	450~525 mA
4	UVC LED Power (per piece)	30~40 mW
5	LED Quantity	15 pcs
6	Radiation Flux	450~600 mW
7	Product Size	110*20 mm
8	UVC Wavelength	270-280 nm
9	LED Lifetime (L70)	10000~20000 H

Notes:

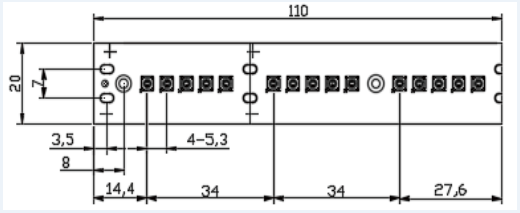
1.The variance of radiation flux testing is ± 5%.

2.All tests are conducted under standard conditions.

DESCRIPTION

- Product model: MP-UVCMZ-3T
- Size: 110*20*4.6 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection.





Note:

1. Unit of size:mm
2. Unmarked dimensional tolerances are ±0.2 mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications

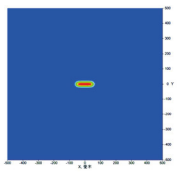
Efficient Sterilization | Environmental Friendly | Low Power | Long Lifespan | Versatile Applications For Disinfection

UV POWER DENSITY

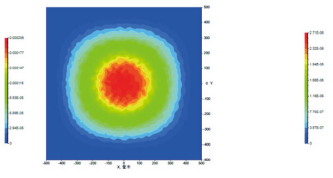
Measured UV Power Density at Varying Distance and Currents

Test Distance (mm)	Test Current (mA)	Edge(Left) uW/cm2	Center uW/cm2	Edge(Right) uW/cm2
20	450	20102	20330	20889
	525	22100	21000	22200
500	450	305	308	306
	525	351	363	352
1000	450	105	102	103
	525	108	115	115

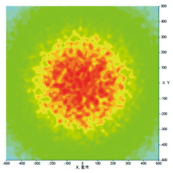
Simulation of optical density at 450 mA



20 mm



500 mm



1000 mm

PRODUCT SPECIFICATIONS

	Model	MP-UVCMZ-3T
1	Electric Power	16 W
2	Input Voltage	35 V
3	Input Current	450~525 mA
4	UVC LED Power (per piece)	30~40 mW
5	LED Quantity	15 pcs
6	Radiation Flux	450~600 mW
7	Product Size	110*20 mm
8	UVC Wavelength	270-280 nm
9	LED Lifetime (L70)	10000~20000 H

Notes:

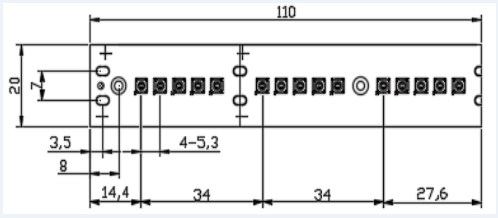
1.The variance of radiation flux testing is ± 5%.

2.All tests are conducted under standard conditions.

DESCRIPTION

- Product model: MP-UVCMZ-3F
- Size: 76*20*3.2 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection.





Note: .

1. Unit of size:mm
2. Unmarked dimensional tolerances are ±0.2 mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications

Efficient Sterilization

Environmental Friendly

Low Power

Long Lifespan

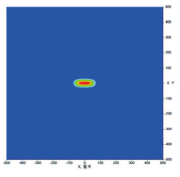
Versatile Applications For Disinfection

UV POWER DENSITY

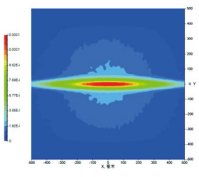
Measured UV Power Density at Varying Distance and Currents

Test Distance (mm)	Test Current (mA)	Edge(Left) uW/cm2	Center uW/cm2	Edge(Right) uW/cm2
20	450	12800	12800	13010
	525	14000	13980	13850
500	450	111	113	117
	525	132	154	146
1000	450	53	58	56
	525	72	75	72

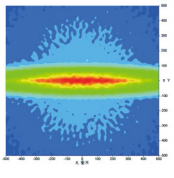
Simulation of optical density at 450 mA



20 mm



500 mm



1000 mm

PRODUCT SPECIFICATIONS

	Model	MP-UVCMZ-3F
1	Electric Power	16 W
2	Input Voltage	35 V
3	Input Current	450~525 mA
4	UVC LED Power (per piece)	30~40 mW
5	LED Quantity	15 pcs
6	Radiation Flux	450~600 mW
7	Product Size	110*20 mm
8	UVC Wavelength	270-280 nm
9	LED Lifetime (L70)	10000~20000 H

Notes:

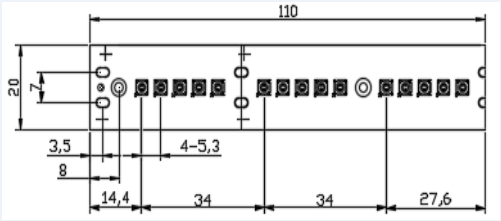
1.The variance of radiation flux testing is ± 5%.

2.All tests are conducted under standard conditions.

DESCRIPTION

- Product model: MP-UVCMZ-3TF
- Size: 76*20*4.6 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection.





Note:

1. Unit of size:mm
2. Unmarked dimensional tolerances are ±0.2 mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications

Efficient Sterilization

Environmental Friendly

Low Power

Long Lifespan

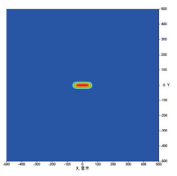
Versatile Applications For Disinfection

UV POWER DENSITY

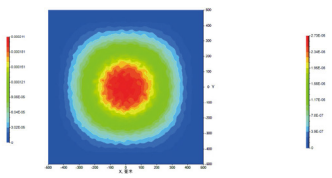
Measured UV Power Density at Varying Distance and Currents

Test Distance (mm)	Test Current (mA)	Edge(Left) uW/cm2	Center uW/cm2	Edge(Right) uW/cm2
20	450	23600	24000	24700
	525	24300	24900	25100
500	450	415	413	420
	525	440	435	440
1000	450	106	110	108
	525	119	123	121

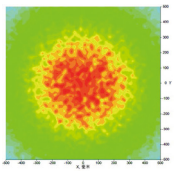
Simulation of optical density at 450 mA



20 mm



500 mm



1000 mm

PRODUCT SPECIFICATIONS

	Model	MP-UVCMZ-3TF
1	Electric Power	16 W
2	Input Voltage	35 V
3	Input Current	450~525 mA
4	UVC LED Power (per piece)	30~40 mW
5	LED Quantity	15 pcs
6	Radiation Flux	450~600 mW
7	Product Size	110*20 mm
8	UVC Wavelength	270-280 nm
9	LED Lifetime (L70)	10000~20000 H

Notes:

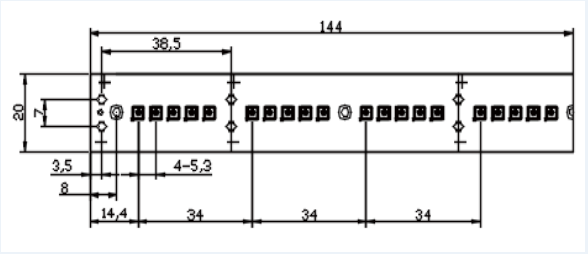
1.The variance of radiation flux testing is ± 5%.

2.All tests are conducted under standard conditions.

DESCRIPTION

- Product model: MP-UVCMZ-4
- Size: 144*20*3.2 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection.





Note:

1. Unit of size:mm
2. Unmarked dimensional tolerances are ±0.2 mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications

Efficient Sterilization

Environmental Friendly

Low Power

Long Lifespan

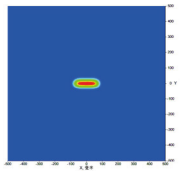
Versatile Applications For Disinfection

UV POWER DENSITY

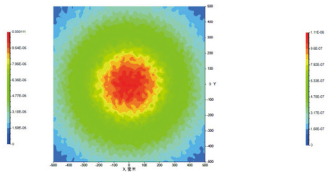
Measured UV Power Density at Varying Distance and Currents

Test Distance (mm)	Test Current (mA)	Edge(Left) uW/cm2	Center uW/cm2	Edge(Right) uW/cm2
20	600	11900	11853	12000
	700	13900	14900	13500
500	600	98	98	100
	700	122	125	125
1000	600	19	20	21
	700	25	26	26

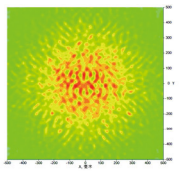
Simulation of optical density at 600 mA



20 mm



500 mm



1000 mm

PRODUCT SPECIFICATIONS

	Model	MP-UVCMZ-4
1	Electric Power	21 W
2	Input Voltage	35 V
3	Input Current	600~700 mA
4	UVC LED Power (per piece)	30~40 mW
5	LED Quantity	20 pcs
6	Radiation Flux	600~800 mW
7	Product Size	144*20 mm
8	UVC Wavelength	270-280 nm
9	LED Lifetime (L70)	10000~20000 H

Notes:

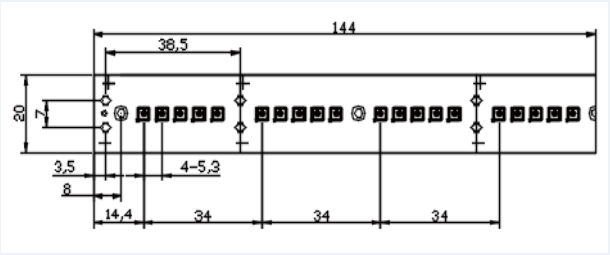
1.The variance of radiation flux testing is ± 5%.

2.All tests are conducted under standard conditions.

DESCRIPTION

- Product model: MP-UVCMZ-4T
- Size: 144*20*4.6 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection.





Note:

1. Unit of size:mm
2. Unmarked dimensional tolerances are ±0.2mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications

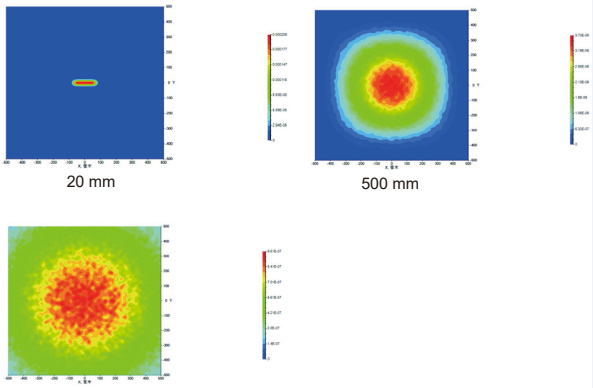
Efficient Sterilization | Environmental Friendly | Low Power | Long Lifespan | Versatile Applications For Disinfection

UV POWER DENSITY

Measured UV Power Density at Varying Distance and Currents

Test Distance (mm)	Test Current (mA)	Edge(Left) uW/cm2	Center uW/cm2	Edge(Right) uW/cm2
20	600	22100	20220	21320
	700	22200	21910	22100
500	600	462	455	435
	700	535	510	533
1000	600	166	163	161
	700	173	173	172

Simulation of optical density at 600 mA



20 mm

500 mm

1000 mm

PRODUCT SPECIFICATIONS

	Model	MP-UVCMZ-4T
1	Electric Power	21 W
2	Input Voltage	35 V
3	Input Current	600~700 mA
4	UVC LED Power (per piece)	30~40 mW
5	LED Quantity	20 pcs
6	Radiation Flux	600~800 mW
7	Product Size	144*20 mm
8	UVC Wavelength	270-280 nm
9	LED Lifetime (L70)	10000~20000 H

Notes:

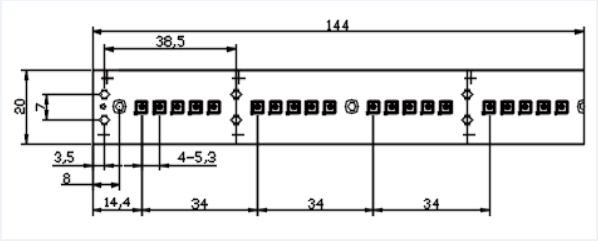
1.The variance of radiation flux testing is ± 5%.

2.All tests are conducted under standard conditions.

DESCRIPTION

- Product model: MP-UVCMZ-4F
- Size: 144*20*3.2 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection.





Note:

1. Unit of size:mm
2. Unmarked dimensional tolerances are ±0.2 mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications

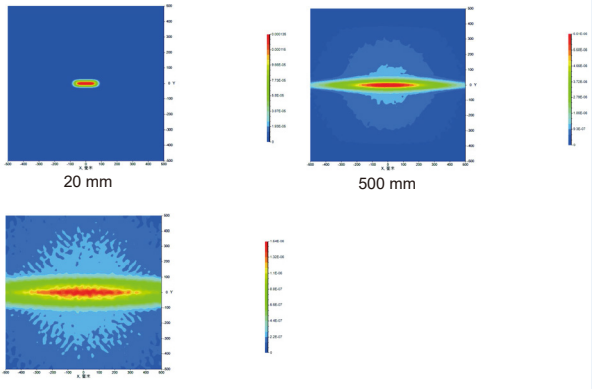
Efficient Sterilization | Environmental Friendly | Low Power | Long Lifespan | Versatile Applications For Disinfection

UV POWER DENSITY

Measured UV Power Density at Varying Distance and Currents

Test Distance (mm)	Test Current (mA)	Edge(Left) uW/cm2	Center uW/cm2	Edge(Right) uW/cm2
20	600	13800	13800	13210
	700	14300	13445	13956
500	600	265	285	263
	700	302	299	286
1000	600	76	85	83
	700	88	86	90

Simulation of optical density at 600 mA



PRODUCT SPECIFICATIONS

	Model	MP-UVCMZ-4F
1	Electric Power	21 W
2	Input Voltage	35 V
3	Input Current	600~700 mA
4	UVC LED Power (per piece)	30~40 mW
5	LED Quantity	20 pcs
6	Radiation Flux	600~800 mW
7	Product Size	144*20 mm
8	UVC Wavelength	270-280 nm
9	LED Lifetime (L70)	10000~20000 H

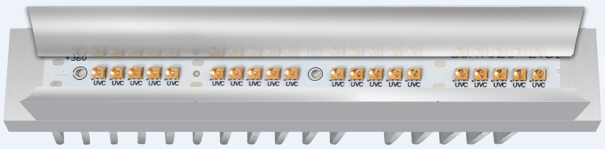
Notes:

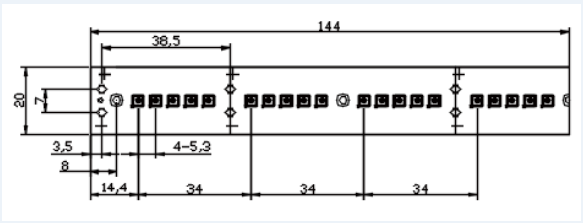
1.The variance of radiation flux testing is ± 5%.

2.All tests are conducted under standard conditions.

DESCRIPTION

- Product model: MP-UVCMZ-4TF
- Size: 144*20*4.6 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection.





Note:

1. Unit of size:mm
2. Unmarked dimensional tolerances are ±0.2 mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications

Efficient Sterilization

Environmental Friendly

Low Power

Long Lifespan

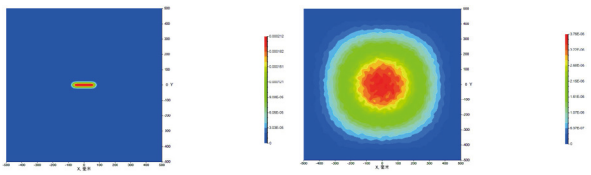
Versatile Applications For Disinfection

UV POWER DENSITY

Measured UV Power Density at Varying Distance and Currents

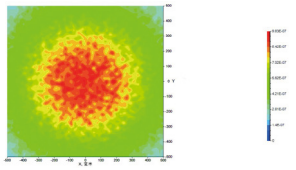
Test Distance (mm)	Test Current (mA)	Edge(Left) uW/cm2	Center uW/cm2	Edge(Right) uW/cm2
20	600	22300	22100	22300
	700	22300	23400	23400
500	600	566	588	542
	700	611	623	634
1000	600	143	142	142
	700	185	186	176

Simulation of optical density at 600 mA



20 mm

500 mm



1000 mm

PRODUCT SPECIFICATIONS

	Model	MP-UVCMZ-4TF
1	Electric Power	21 W
2	Input Voltage	35 V
3	Input Current	600~700 mA
4	UVC LED Power (per piece)	30~40 mW
5	LED Quantity	20 pcs
6	Radiation Flux	600~800 mW
7	Product Size	144*20 mm
8	UVC Wavelength	270-280 nm
9	LED Lifetime (L70)	10000~20000 H

Notes:

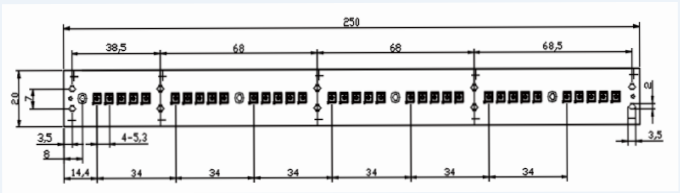
1.The variance of radiation flux testing is ± 5%.

2.All tests are conducted under standard conditions.

DESCRIPTION

- Product model: MP-UVCMZ-7
- Size: 250*20*3.2 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection.





Note:

1. Unit of size:mm
2. Unmarked dimensional tolerances are ±0.2 mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications

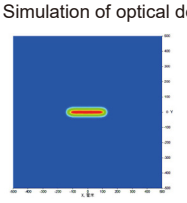
Efficient Sterilization | Environmental Friendly | Low Power | Long Lifespan | Versatile Applications For Disinfection

UV POWER DENSITY

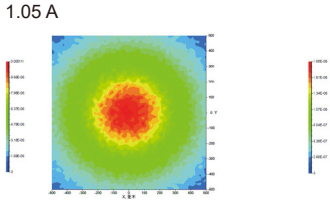
Measured UV Power Density at Varying Distance and Currents

Test Distance (mm)	Test Current (mA)	Edge(Left) uW/cm2	Center uW/cm2	Edge(Right) uW/cm2
20	1050	12000	12000	11831
	1225	14560	15400	13505
500	1050	137	139	133
	1225	160	179	174
1000	1050	34	36	34
	1225	43	46	45

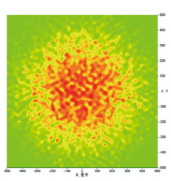
Simulation of optical density at 1.05 A



20 mm



500 mm



1000 mm

PRODUCT SPECIFICATIONS

	Model	MP-UVCMZ-7
1	Electric Power	37 W
2	Input Voltage	35 V
3	Input Current	1.05~1.225 A
4	UVC LED Power (per piece)	30~40 mW
5	LED Quantity	35 pcs
6	Radiation Flux	1050~1400 mW
7	Product Size	250*20 mm
8	UVC Wavelength	270-280 nm
9	LED Lifetime (L70)	10000~20000 H

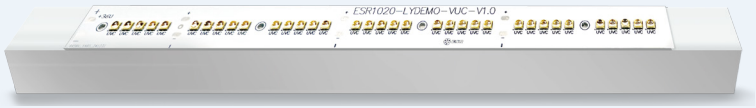
Notes:

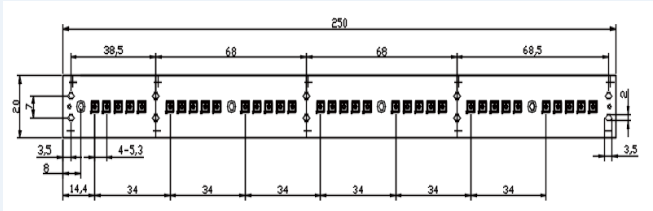
1.The variance of radiation flux testing is ± 5%.

2.All tests are conducted under standard conditions.

DESCRIPTION

- Product model: MP-UVCMZ-7T
- Size: 250*20*4.6 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection.





Note:

1. Unit of size:mm
2. Unmarked dimensional tolerances are ±0.2 mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications

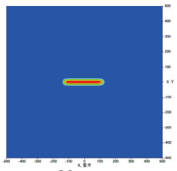
Efficient Sterilization | Environmental Friendly | Low Power | Long Lifespan | Versatile Applications For Disinfection

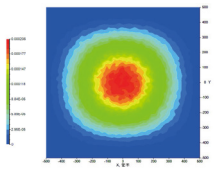
UV POWER DENSITY

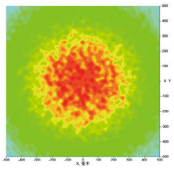
Measured UV Power Density at Varying Distance and Currents

Test Distance (mm)	Test Current (mA)	Edge(Left) uW/cm2	Center uW/cm2	Edge(Right) uW/cm2
20	1050	20700	20350	21480
	1225	22303	21900	22000
500	1050	842	801	800
	1225	886	849	830
1000	1050	228	210	206
	1225	239	220	227

Simulation of optical density at 1.05 A


20 mm


500 mm


1000 mm

PRODUCT SPECIFICATIONS

	Model	MP-UVCMZ-7T
1	Electric Power	37 W
2	Input Voltage	35 V
3	Input Current	1.05~1.225 A
4	UVC LED Power (per piece)	30~40 mW
5	LED Quantity	35 pcs
6	Radiation Flux	1050~1400 mW
7	Product Size	250*20 mm
8	UVC Wavelength	270-280 nm
9	LED Lifetime (L70)	10000~20000 H

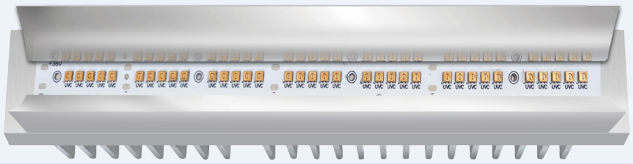
Notes:

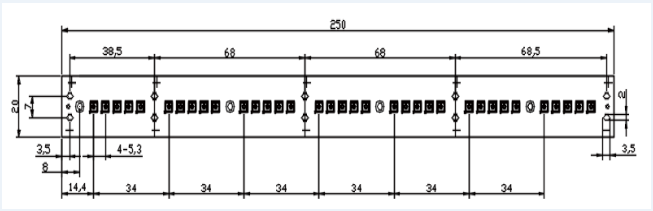
1.The variance of radiation flux testing is ± 5%.

2.All tests are conducted under standard conditions.

DESCRIPTION

- Product model: MP-UVCMZ-7F
- Size: 250*20*3.2 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection.





Note:

1. Unit of size:mm
2. Unmarked dimensional tolerances are ±0.2 mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications

Efficient Sterilization

Environmental Friendly

Low Power

Long Lifespan

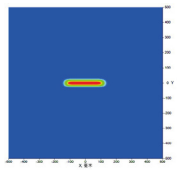
Versatile Applications For Disinfection

UV POWER DENSITY

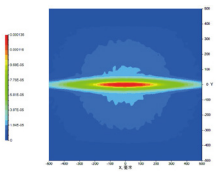
Measured UV Power Density at Varying Distance and Currents

Test Distance (mm)	Test Current (mA)	Edge(Left) uW/cm2	Center uW/cm2	Edge(Right) uW/cm2
20	1050	13005	13200	13352
	1225	14508	15356	14256
500	1050	398	396	376
	1225	460	430	446
1000	1050	120	118	117
	1225	131	135	133

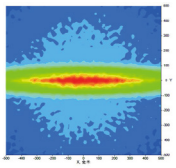
Simulation of optical density at 1.05 A



20 mm



500 mm



1000 mm

PRODUCT SPECIFICATIONS

	Model	MP-UVCMZ-7F
1	Electric Power	37 W
2	Input Voltage	35 V
3	Input Current	1.05~1.225 A
4	UVC LED Power (per piece)	30~40 mW
5	LED Quantity	35 pcs
6	Radiation Flux	1050~1400 mW
7	Product Size	250*20 mm
8	UVC Wavelength	270-280 nm
9	LED Lifetime (L70)	10000~20000 H

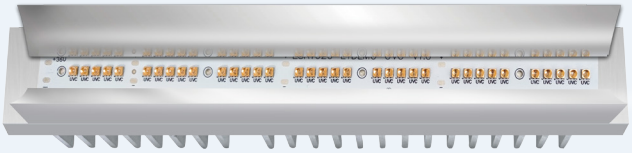
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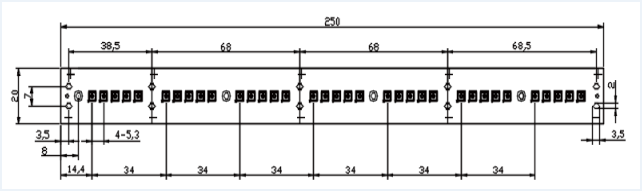
1.The variance of radiation flux testing is ± 5%.

2.All tests are conducted under standard conditions.

DESCRIPTION

- Product model: MP-UVCMZ-7TF
- Size: 250*20*4.6 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection.





Note:

1. Unit of size:mm
2. Unmarked dimensional tolerances are ±0.2mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications

Efficient Sterilization

Environmental Friendly

Low Power

Long Lifespan

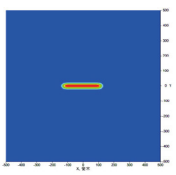
Versatile Applications For Disinfection

UV POWER DENSITY

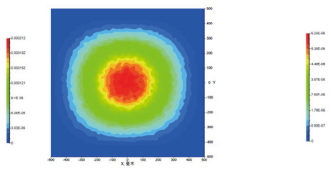
Measured UV Power Density at Varying Distance and Currents

Test Distance (mm)	Test Current (mA)	Edge(Left) uW/cm2	Center uW/cm2	Edge(Right) uW/cm2
20	1050	21300	22400	20800
	1225	23100	23400	22280
500	1050	910	923	899
	1225	970	990	940
1000	1050	265	288	283
	1225	314	310	311

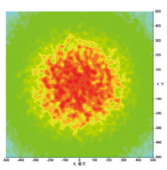
Simulation of optical density at 1.05 A



20 mm



500 mm



1000 mm

PRODUCT SPECIFICATIONS

	Model	MP-UVCMZ-7TF
1	Electric Power	37 W
2	Input Voltage	35 V
3	Input Current	1.05~1.225 A
4	UVC LED Power (per piece)	30~40 mW
5	LED Quantity	35 pcs
6	Radiation Flux	1050~1400 mW
7	Product Size	250*20 mm
8	UVC Wavelength	270-280 nm
9	LED Lifetime (L70)	10000~20000 H

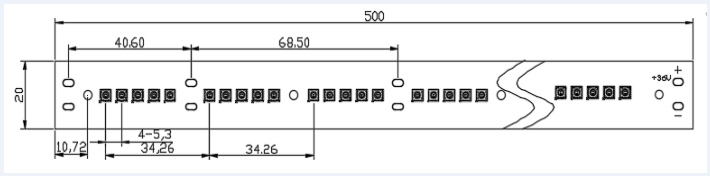
Notes:

1.The variance of radiation flux testing is ± 5%.

2.All tests are conducted under standard conditions.

DESCRIPTION

- Product model: MP-UVCMZ-14
- Size: 500*20*3.2 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection.



Note:

1. Unit of size:mm
2. Unmarked dimensional tolerances are ±0.2mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications



Efficient Sterilization

Environmental Friendly

Low Power

Long Lifespan

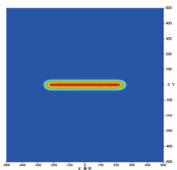
Versatile Applications For Disinfection

UV POWER DENSITY

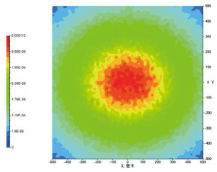
Measured UV Power Density at Varying Distance and Currents

Test Distance (mm)	Test Current (mA)	Edge(Left) uW/cm2	Center uW/cm2	Edge(Right) uW/cm2
20	2100	12908	11840	11134
	2450	14036	15260	12460
500	2100	256	286	224
	2450	287	296	254
1000	2100	64	68	66
	2450	72	74	72

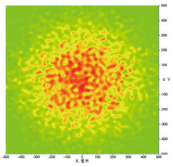
Simulation of optical density at 2.1 A



20 mm



500 mm



1000 mm

PRODUCT SPECIFICATIONS

	Model	MP-UVCMZ-14
1	Electric Power	73 W
2	Input Voltage	35 V
3	Input Current	2.1-2.4 A
4	UVC LED Power (per piece)	30~40 mW
5	LED Quantity	70 pcs
6	Radiation Flux	2100~2800 mW
7	Product Size	500*20 mm
8	UVC Wavelength	270-280 nm
9	LED Lifetime (L70)	10000~20000 H

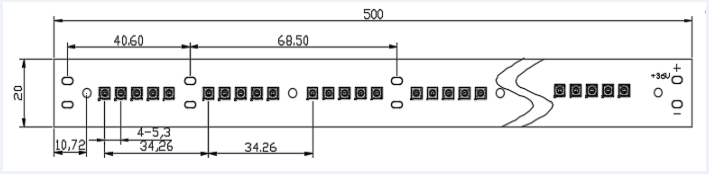
Notes:

1.The variance of radiation flux testing is ± 5%.

2.All tests are conducted under standard conditions.

DESCRIPTION

- Product model: MP-UVCMZ-14T
- Size: 500*20*4.6 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection.



Note:

1. Unit of size:mm
2. Unmarked dimensional tolerances are ±0.2 mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications



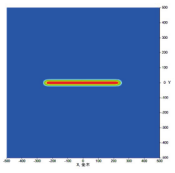
Efficient Sterilization | Environmental Friendly | Low Power | Long Lifespan | Versatile Applications For Disinfection

UV POWER DENSITY

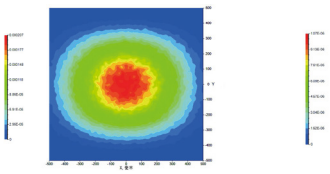
Measured UV Power Density at Varying Distance and Currents

Test Distance (mm)	Test Current (mA)	Edge(Left) uW/cm2	Center uW/cm2	Edge(Right) uW/cm2
20	2100	21300	22500	21400
	2450	22800	23600	22000
500	2100	1074	1096	1011
	2450	1166	1150	1100
1000	2100	415	386	377
	2450	440	415	408

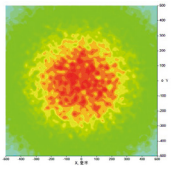
Simulation of optical density at 2.1 A



20 mm



500 mm



1000 mm

PRODUCT SPECIFICATIONS

	Model	MP-UVCMZ-14T
1	Electric Power	73 W
2	Input Voltage	35 V
3	Input Current	2.1-2.4 A
4	UVC LED Power (per piece)	30~40 mW
5	LED Quantity	70 pcs
6	Radiation Flux	2100~2800 mW
7	Product Size	500*20 mm
8	UVC Wavelength	270-280 nm
9	LED Lifetime (L70)	10000~20000 H

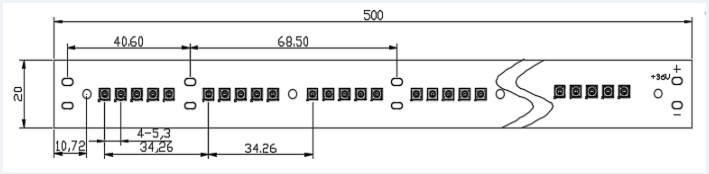
Notes:

1.The variance of radiation flux testing is ± 5%.

2.All tests are conducted under standard conditions.

DESCRIPTION

- Product model: MP-UVCMZ-14F
- Size: 500*20*3.2 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection.

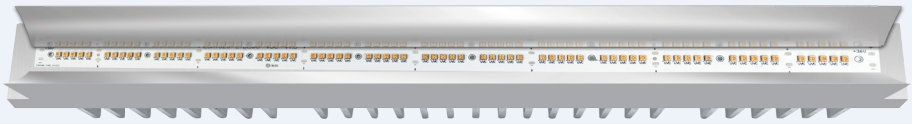


Note:

1. Unit of size:mm
2. Unmarked dimensional tolerances are ±0.2mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications



Efficient Sterilization

Environmental Friendly

Low Power

Long Lifespan

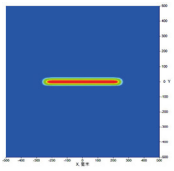
Versatile Applications For Disinfection

UV POWER DENSITY

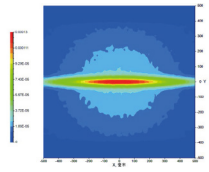
Measured UV Power Density at Varying Distance and Currents

Test Distance (mm)	Test Current (mA)	Edge(Left) uW/cm2	Center uW/cm2	Edge(Right) uW/cm2
20	2100	13625	14089	13905
	2450	15675	17031	17081
500	2100	876	925	933
	2450	825	950	899
1000	2100	246	286	293
	2450	309	321	330

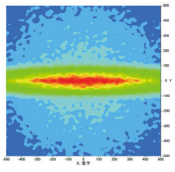
Simulation of optical density at 2.1 A



20 mm



500 mm



1000 mm

PRODUCT SPECIFICATIONS

	Model	MP-UVCMZ-14F
1	Electric Power	73 W
2	Input Voltage	35 V
3	Input Current	2.1-2.4 A
4	UVC LED Power (per piece)	30~40 mW
5	LED Quantity	70 pcs
6	Radiation Flux	2100~2800 mW
7	Product Size	500*20 mm
8	UVC Wavelength	270-280 nm
9	LED Lifetime (L70)	10000~20000 H

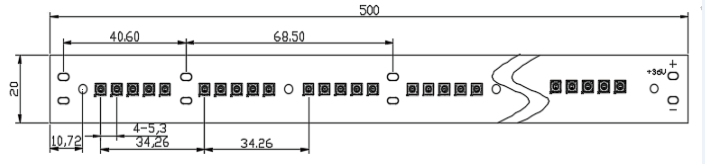
Notes:

1.The variance of radiation flux testing is ± 5%.

2.All tests are conducted under standard conditions.

DESCRIPTION

- Product model: MP-UVCMZ-14TF
- Size: 500*20*4.6 mm
- The circuit board uses 1.6 mm thick aluminum substrate for better heat dissipation.
- The wavelength range of the UVC LED used is 270-280 nm,which has excellent and efficient sterilization and disinfection.

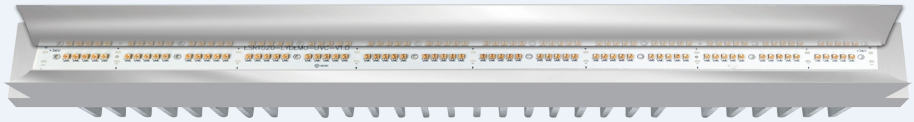


Note:

1. Unit of size:mm
2. Unmarked dimensional tolerances are ±0.2 mm

APPLICATIONS

- Surface Disinfection
- Water disinfection and sterilization
- Air disinfection and other disinfection applications



Efficient Sterilization

Environmental Friendly

Low Power

Long Lifespan

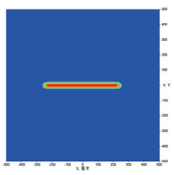
Versatile Applications For Disinfection

UV POWER DENSITY

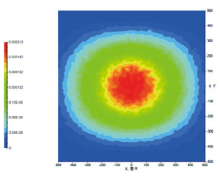
Measured UV Power Density at Varying Distance and Currents

Test Distance (mm)	Test Current (mA)	Edge(Left) uW/cm2	Center uW/cm2	Edge(Right) uW/cm2
20	2100	22000	20000	21000
	2450	24000	24000	23000
500	2100	1050	1150	1130
	2450	1133	1292	1209
1000	2100	410	390	380
	2450	454	428	421

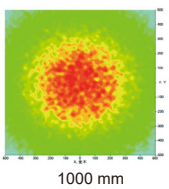
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