

TAOYUAN ELECTRON(HK) LIMITED

UVC LED 275nm Price List 2020/03/27

1.

UVC LED 275nm SMD3535

Optical power: 3-5mW



MOQ: 5pcs

Unit price: 3.50USD/each, EXW price

Total price: 17.50USD, EXW price

2.

UVC LED 275nm SMD3535 (with 20mm PCB)

Optical power: 3-5mW



MOQ: 5pcs

Unit price: 4.50USD/each, EXW price

Total price: 22.50USD, EXW price

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Parameters for UVC LED 275nm SMD3535

Parameter	Symbol	Value	Unit
Peak Wavelength	λ_p	275	nm
Radiant Flux	Φ_e	3-5	mW
Forward Voltage	VF	5.0-8.0	V
Spectrum Half Width	$\Delta\lambda$	10-12	nm
View Angle	$2\theta_{1/2}$	130	

3.

UVC LED 275nm SMD3535 2-chip (with 20mm PCB)

Optical power: 6-10mW



MOQ: 1pcs

Unit price: 9.00USD/each, EXW price

Parameters for UVC LED 275nm 2chip

If use in 2S1P

Model	Size	Optical power(MW)		Wavelength (nm)	Forward voltage		Beam Angle
		IF=40mA			VF[V]		
		Minimum	Maximum		Minimum	Maximum	
TY-UV275-2-A-20mm	3.5*3.5* 1.6 Φ20mm	6	10	275	12	14	130

If used in 1S2P

Model	Size	Optical power(MW)		Wavelength (nm)	Forward voltage		Beam Angle
		IF=80mA			VF[V]		
		Minimum	Maximum		Minimum	Maximum	
TY-UV275-2-A-20mm	3.5*3.5* 1.6 Φ20mm	6	10	275	5	8	130

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4.

UVC LED 275nm SMD3535 4-chip (with 20mm Copper PCB)

Optical power: 12-20mW



MOQ: 1pcs

Unit price: 18.50USD/each, EXW price

Parameters for UVC LED275nm 4chip

Model	Size	Optical power(MW)		Wavelength (nm)	Forward voltage		Beam Angle
		IF=80mA			VF[V]		
		Minimum	Maximum		Minimum	Maximum	
TY-UV275-4-A-20mm	3.5*3.5*1.6 Φ20mm	12	20	275	12	14	130

5.

UVC LED 275nm SMD3535

Optical power: 8-18mW



MOQ: 5pcs

Unit price: 12.50USD/each, EXW price

Total price: 62.50USD, EXW price

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6.

UVC LED 275nm SMD3535 (with 20mm Copper PCB)

Optical power: 8-18mW



MOQ: 5pcs

Unit price: 14.07USD/each, EXW price

Total price: 70.35USD, EXW price

Parameters for UVC LED 275nm SMD3535 8-18mW

Parameter	Symbol	Value	Unit
Peak wavelength	λ_p	275	nm
Radiant Flux	Φ_e	8-18	mW
Forward Voltage	VF	5.0-8.0	V
Spectrum Half Width	$\Delta\lambda$	10-12	nm
View Angle	$2\theta_{1/2}$	130	

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6.

UVC LED 275nm with Waterproof (Convex Lens)



MOQ: 1pcs

Unit price: 10.63USD/each, EXW price

Parameters for UVC LED 275nm Waterproof (Convex Lens)

Item	Value
Voltage	12-24V 0.05mA
Capacity	10-20L Tank
Wavelength	275nm
Lamp size	D 35 X H 30MM
Material	PC+Quartz glass+Deep UV LED
Application	Drinking water Treatment
Sterilization Rate	99-100%
IP Rating	IP67

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7.

UVC LED 275nm with Waterproof (Flat Lens)



MOQ: 1pcs

Unit price: 10.63USD/each, EXW price

Parameters for UVC LED 275nmnm Waterproof

Item	Value
Voltage	12-24V 0.05A
Capacity	5-10L Tank
Wavelength	275nm
Lamp size	D 23 X H 32MM
Material	PC+Quartz glass+Deep UV LED
Application	Drinking water Treatment
Sterilization Rate	99-100%
IP Rating	IP67

8.

UVC LED 275 + 395nm(Dual Chips)



MOQ: 5pcs

Unit price: 3.2USD/each, EXW price

Total price: 16.00USD, EXW price

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9.

UVC LED 275 + 395nm(Dual Chips) (With 20mm Copper PCB)



MOQ: 5pcs

Unit price: 4.8USD/each, EXW price

Total price: 24.00USD, EXW price

For UVA LED

Electrical/Optical Characteristics (Ta=25°C IF=20mA)

Parameter	Symbol	Value	Unit
Peak wavelength	λ_p	395-405	nm
Radiant Flux	Φ_e	20-40	mW
Forward Voltage	VF	3.0-3.4	V
Spectrum Half Width	$\Delta\lambda$	15	nm
LED Junction Temperature	TJ	105-115	°C

For UVC LED

Electrical/Optical Characteristics (Ta=25°C IF=20mA)

Parameter	Symbol	Value	Unit
Peak wavelength	λ_p	265-285	nm
Radiant Flux	Φ_e	10	mW
Forward Voltage	VF	6.0-10.0	V
Spectrum Half Width	$\Delta\lambda$	15	nm
LED Junction Temperature	TJ	60-80	°C

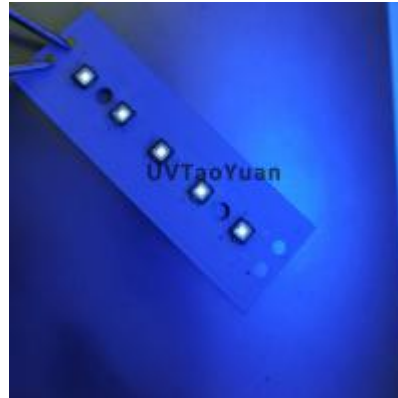
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10.

UVC LED 275nm Hard Strip

Optical power: 15-25mW

Size: L60 X W20 X T1.6mm



MOQ: 1pcs

Unit price: 25.00USD/each, EXW price

Parameters for UVC LED 275nm Hard Strip 60x20MM

Model	Size	Optical power（MW）		Wavelength	Forward voltage		Beam Angle
		IF=200mA			VF「V」		
		Minimum	Maximum		Minimum	Maximum	
TY-UV275-5-A-60mm	60*20*1.6	15	25	275nm	5	8	140

11.

UVC LED 275nm Hard Strip

Optical power: 80-100mW

Size: L210 X W12 X T1.6mm



MOQ: 1pcs

Unit price: 98.50USD/each, EXW price

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12.

UVC LED 275nm Hard Strip + Adaptor + Plug

Optical power: 80-100mW

Size: L210 X W12 X T1.6mm



MOQ: 1set

Unit price: 129.70USD/each, EXW price

Parameters for UVC LED 275nm Hard Strip 210x12MM

Model	Size	Optical power（MW）		Wavelength	Forward voltage		Beam Angle
		IF=400mA			VF「V」		
		Minimum	Maximum		Minimum	Maximum	
TY-UV275-20-A-210mm	210*12*1.6	80	100	275nm	10	14	140

13.

UVC LED 275nm Hard Strip

Optical power: 80-100mW

Size: L300 X W12 X T1.6mm



MOQ: 1pcs

Unit price: 98.50USD/each, EXW price

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14.

UVC LED 275nm Hard Strip + Driver + Plug

Optical power: 80-100mW

Size: L300 X W12 X T1.6mm



MOQ: 1set

Unit price: 129.70USD/each, EXW price

Parameters for UVC LED 275nm Hard Strip 300x12MM

Model	Size	Optical power （MW）		Wavelength	Forward voltage		Beam Angle
		IF=400mA			VF 「V」		
		Minimum	Maximum		Minimum	Maximum	
TY-UV275-20-A-300mm	300*12*1.6	80	100	275nm	10	14	140

15.

UVC COB LED 275nm

Optical power: 80-100mW



MOQ: 1pcs

Unit price: 98.50USD/each, EXW price

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16.

UVC COB LED275nm Complete System

(UVC COB LED275nm + Heat Sink + Driver + Fan + Plug)

Optical power: 80-100mW

Lamp Head Size: L78 x W68x H68mm



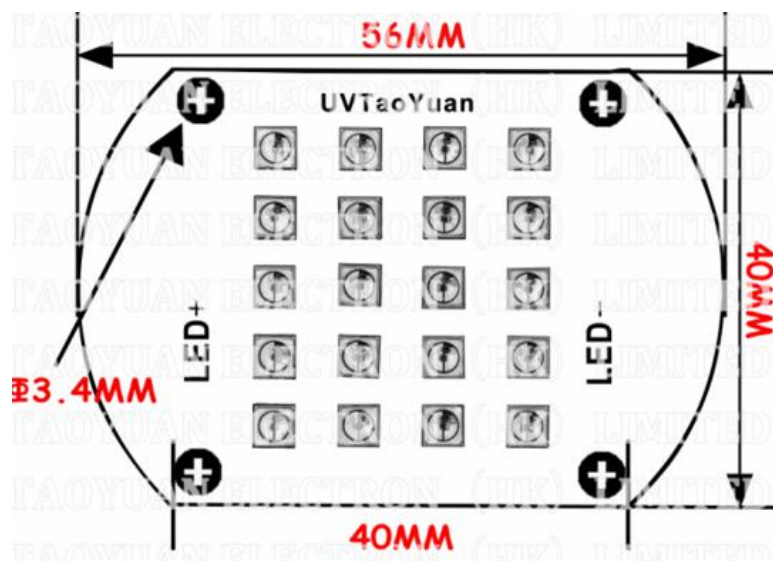
MOQ: 1pcs

Unit price: 156.25USD/each, EXW price

Parameters for UVC COB LED 275nm 80-100mW

Parameters	Unit	Condition	MIN	TYP	MAX
Forward Voltage(VF)	V	If=600mA	10	13	16
Optical Output Power(Pout)	mW	If=600mA	60	80	100
Peak Wavelength	nm	If=600mA	270	275	285
FWHM	nm	If=600mA	8	10	12
Viewing Angle	deg			120°	
ESD(H.B.M)	V			4000V	

Mechanical Dimensions for UVC COB LED 275nm 80-100mW

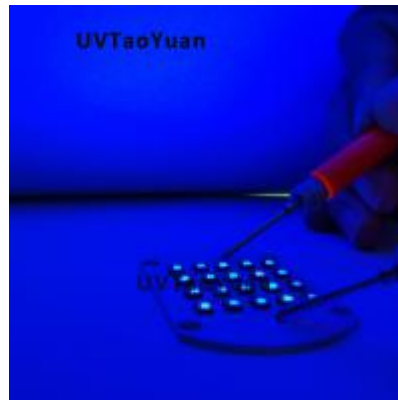


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17.

UVC COB LED 275nm

Optical power: 200-320mW



MOQ: 1pcs

Unit price: 437.50USD/each, EXW price

Parameters for UVC COB LED 275nm 200-320mW

Parameters	Unit	Condition	MIN	TYP	MAX
Forward Voltage(VF)	V	If=1000mA	10	13	16
Optical Output Power(Pout)	mW	If=1000mA	200	260	320
Peak Wavelength	nm	If=1000mA	270	275	280
FWHM	nm	If=1000mA	8	10	12
Viewing Angle	deg			120°	
ESD(H.B.M)	V			4000V	

Mechanical Dimensions for UVC COB LED 275nm 80-100mW

