



7.6mm 3 Chip Superflux Red LED 4000MCD

Order code: **72-9658**

MPN: OSR5M3Z2C1P

Features:

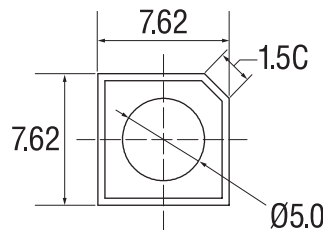
- High Luminous Super Flux Output
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

Applications

- Traffic signals
- Backlighting
- Signal and channel letters
- Other Lighting



Outline dimensions:



1, 4 → → → 2, 3

Unit: mm

Tolerance: ± 0.20 mm
unless otherwise stated

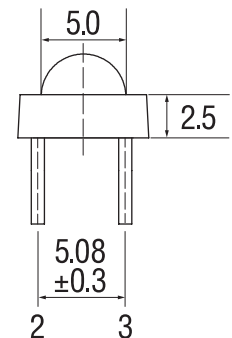
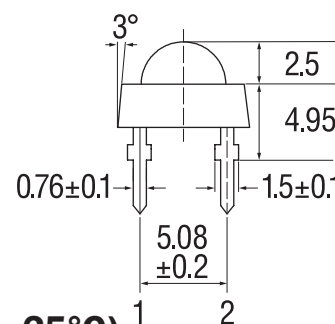
1, 4: Anode

2, 3: Cathode

Absolute maximum rating (Ta=25°C)

Item	Symbol	Value	Unit
DC forward current	I_F	30	mA
Pulse forward current*	I_{FP}	120	mA
Reverse voltage	V_R	15	V
Power dissipation	P_D	234	mW
Operating temperature	T_{opr}	-30 to +85	°C
Storage temperature	T_{stg}	-40 to +100	°C
Lead soldering temperature	T_{sol}	260°C/5sec	-

*Pulse width max. 10ms. Duty ratio max. 1/10



Electrical - Optical characteristics (Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC forward voltage	V_F	$I_F = 20$ mA	5.4	6.3	7.8	V
DC reverse current	I_R	$V_R = 15$ V	-	-	10	μ A
Dominant wavelength*	λ_D	$I_F = 20$ mA	620	625	630	nm
Luminous flux*	Φ_V	$I_F = 20$ mA	-	6.5	-	lm
Luminous intensity*	I_V	$I_F = 20$ mA	5800	7000	-	mcd
50% Power angle	$2\theta_{1/2}$	$I_F = 20$ mA	-	120	-	deg

*1 Tolerance of measurements of dominant wavelength is +1nm

*2 Tolerance of measurements of luminous intensity is +15%

*3 Tolerance of measurements of forward voltage is ± 0.1 V

Directivity:

