16W LED Light Engine NEW

1,150 lm* of total luminous flux (white) per 1 package achieved

＊For the case of "5000 K"

Daylight White

Warm White

16W class

■ Features

- ●High-power package best suited for bulb light source.
- ●Excellently reliable package with highly efficient heat release mechanism.
- ●Total cost reduction expected because of screw fastening.

●Available Package Nos.

Size(L･W･H)mm	Type	Mounting
28x17.5x1.4	Upward lighting type	Screw mounting

●Electro-optical Characteristics

＜CCT 5000K＞Daylight White (Tc 25℃)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Forward voltage	V_F	I_F=1.44A	10.5	11.8	12.9	V
Reverse current	I_R	V_R=15V	—	—	100	μA
Thermal resistance	Rj-c	Janction-case	—	2.4	—	℃/W
Luminous flux	φV	I_F=1.44A	838	1150	—	lm

＜CCT 2900K＞Warm White (Tc 25℃)

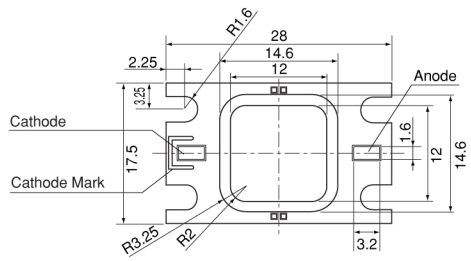
Parameter	Symbol	Condition	Min	Typ	Max	Unit
Forward voltage	V_F	I_F=1.44A	10.5	11.8	12.9	V
Reverse current	I_R	V_R=15V	—	—	100	μA
Thermal resistance	Rj-c	Janction-case	—	2.4	—	℃/W
Luminous flux	φV	I_F=1.44A	702	900	—	lm

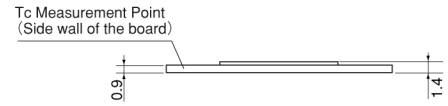
●Absolute Maximum Rating

Parameter	Symbol	Rating value	Unit
Power dissipation	Pd	22.6	W
Forward current	I_F	1.68	A
Forward pulse current※1	I_{FP}	2.4	A
Reverse voltage	V_R	15	V
Operating temperature	T_{OP}	−20～+85	℃
Storage temperature	T_{ST}	−30～+100	℃
Junction temperature※2	$T_{j\ Max}$	120	℃

※1 Forwaed current:Duty≦1/10, Pulse Width≦10msec
※2 D.C. current:Tj=Tc + Rj-c x Pd
Pulse current:Tj=Tc + Rj-c x Pw (Power dissipation per one-Pulse) x duty

●Outline Drawing

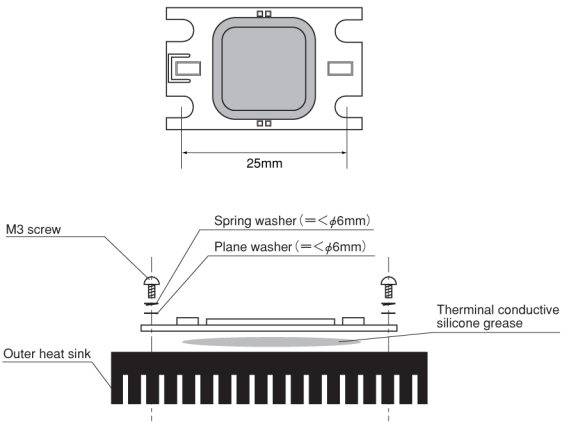




Tolerances unless otherwise specified:±0.3mm

Unit:mm

[Recommended installation screw pitch]



Unit:mm