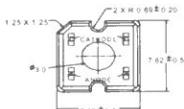


TF916Blue

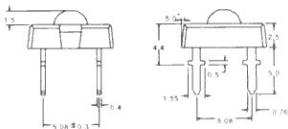
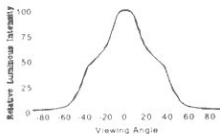
PACKAGE CONFIGURATION

DESCRIPTION

Dice Material : InGaN/SiC Blue
 Light Color : Blue Color
 Lens Color : Water Transparent



RADIATION PATTERN



ABSOLUTE MAXIMUM RATINGS AT Ta = 25!

PARAMETER	MAX	UNIT
Power Dissipation	260	mW
Continuous Forward Current	50	mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Reverse Voltage	5	V
Derating Linear From 50°C	0.7	mA/°C
Operating Temperature Range	-40 to +100	°C
Storage Temperature Range	55 to -100	°C
LED Junction Temperature	125	°C
Soldering Preheat Temperature	100 °C for 30 seconds	
Lead Solder Temperature (1.5mm Below Seating Plane)	260 °C for 5 seconds	

ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta = 25 °C

SYMBOL	PARAMETER	TEST COND.	MIN	TYP.	MAX	UNIT
V _F	Forward Voltage	I _F = 50mA		4.5	5.2	V
I _R	Reverse Current	V _R = 5V			10	μA
λ _p	Peak Emission Wavelength	I _F = 50mA		465		nm
λ _d	Dominant Wavelength	I _F = 50mA		470		nm
2θ _{1/2}	Viewing Angle	I _F = 50mA		60		Deg
I _V / Φ _V	Luminous Intensity / Total Flux			0.8		cd/lm
R _{θ(j-pc)}	Thermal Resistance			125		°C/W

BIN GRADE LIMITS (I_F = 50 mA) Total Flux / lm

Bin	z	A	B	C	D	E
Min.	0.6	0.8	1.0	1.3	1.7	2.2
Max.	0.8	1.0	1.3	1.7	2.2	2.8

Tolerance ± 15%lm

*Dominant Wavelength: λ_d is according to CIE Chromaticity Diagram base on color of the device

*θ_{1/2} is the off-axis angle where the luminous intensity is one half the on-axis intensity

*These products are sensitive to static electricity Caution must be taken strictly to avoid static electricity