

Device Number : DLE-038-119 REV: 1.0

T-1 3/4(5mm) High Intensity LEDs

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■ Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Forward Current	If	30	mA
Operating Temperature	Topr	-40 to +85	°C
Storage Temperature	Tstg	-40 to +100	°C
Soldering Temperature	Tsol	260 ± 5	°C
Power Dissipation	Pd	120	mW
Peak Forward Current(Duty 1/10 @ 1KHZ)	If(Peak)	100	mA
Reverse voltage	Vr	5	V

■ Electronic Optical Characteristics :

Parameter	Symbol	MIN.	TYP.	MAX.	Unit	Condition
Luminous intensity	Iv	630.0	1000.0	-----	mcd	If=20mA
Viewing Angle	$2\theta 1/2$	----	6	----	deg	If=20mA
Peak Wavelength	λp	----	470	----	nm	If=20mA
Dominant Wavelength	λd	465	---	475	nm	If=20mA
Spectrum Radiation Bandwidth	$\Delta \lambda$	---	30	----	nm	If=20mA
Forward Voltage	Vf	----	3.5	4.0	V	If=20mA
Reverse Current	Ir	----	----	10	μA	Vr=5V

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■ Typical Electro-Optical Characteristic Curves



