

Model No. AE635PT

Visible Light Emitting Diode

RoHS Compliant

◆ **Absolute Maximum Ratings**

Ta = 25°C

Parameter	Symbol	Value	Unit
Forward Current (DC)	I _F	50	mA
Pulse Forward Current *1	I _{FP}	0.5	A
Reverse Voltage (DC)	V _R	5	V
Power Dissipation	P _D	130	mW
Operating Temperature	T _{opr}	-20 ~ +85	°C
Storage Temperature	T _{stg}	-30 ~ +100	°C
Lead Soldering Temperature *2	T _{ls}	260	°C

*1 : Tw = 10 μs, T=10mS *2 : within 5sec / up to 3.0mm from the body

◆ **Electro-optical Characteristics**

Ta = 25°C

Parameter	Symbol	MIN	TYP	MAX	Unit	Conditions
Power Output	P _O	--	1.8	--	mW	I _F = 20mA
Forward Voltage	V _F	--	2.0	2.8	V	I _F = 20mA
Reverse Current	I _R	--	--	100	μA	V _R = 5V
Peak Wavelength	λ _p	--	640	--	nm	I _F = 20mA
Spectral Line Half Width	Δλ	--	20	--	nm	I _F = 20mA
Half Intensity Beam Angle	θ	--	±8	--	deg.	I _F = 20mA

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