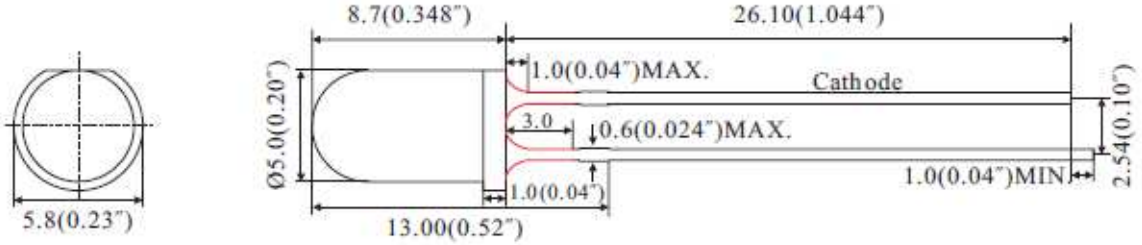
BS Elektronik Service GmbH

SE – 5T-RD



Dice		Lens Color	(If=20mA)	Viewing Angle
Raw Material	Emitted Color		TYP. (Mcd)	
AlGaInP	Ultra Bright Red	Red Diffused	180	65°

Absolute Maximum Ratings at T_A=25°C

Parameter	Symbol	Maximum Rating	Units
Power Dissipation	PD	40	mW
Peak Forward Current[4]	IFP	100	mA
Forward Current	IF	20	mA
Reverse Voltage	V_R	5	V
Capacitance	C	25	pF
Operating/Storage Temperature	T_A/T_{STG}	-40°C to +85°C	
Lead Solder Temperature	T_{SOL}	260°C for 5 Seconds	

Electrical / Optical Characteristics at T_A=25°C

Parameter	Symbol	TYP.	MAX.	Units	Test Condition
Peak Wavelength	λpeak	630	-	nm	I_F=20mA
Dominant Wavelength	λD	625	-	nm	I_F=20mA
Spectral Line Half-width	Δλ	20	-	nm	I_F=20mA
Forward Voltage	V_F	1.80	2.00	V	I_F=20mA
Reverse Current	I_R	-	10	uA	V_R=5V

Notes:
1. All dimension are in millimeter (inches);
2. Tolerance is ±0.25mm(0.01") unless otherwise specified;
3. Not recommend to solder within 3mm from the resin;
4. 1/10 Duty Cycle, 0.1ms Pulse Width.