

**5mm
Super Bright LED
Diffused**

Dialight

5SD-XXXX

*** NOT A VALID PART
NUMBER. THIS SHEET IS FOR
REFERENCE ONLY.**

TYPE	COLOR
*5SD-9441	Red
*5SD-9455	Yellow
*5SD-9456	Green

ABSOLUTE MAXIMUM RATINGS (T _A =25°C)	Red -9441	Yellow -9455	Green -9456
Power Dissipation (mW)	75	75	75
Forward Current (mA)	25	25	25
Derating (mA/°C) From 50°C ** (mW/°C) From 40°C	.66**	.5	.5
Peak Current (mA) <i>Pulse width = 1 ms</i>	60	60	60
Operating Temperature (°C)	-55/+100	-55/+100	-55/+100
Storage Temperature (°C)	-55/+100	-55/+100	-55/+100
Soldering Temperature	260°C, 5 seconds, 1.6 mm from case		

Solder Adherance per MIL-STD-202E, Method 208C

OPERATING CHARACTERISTICS (T _A =25°C)		Red -9441	Yellow -9455	Green -9456
Luminous Intensity (mcd) I _F =20mA	Min.	17	17	17
	Typical	34	34	34
Peak Wavelength (nm) λ _{Peak}	Typical	650	585	563
Viewing Angle (2θ ½)	Typical	50°	50°	50°
Forward Voltage (V) I _F =20mA	Typical	2.1	2.2	2.2
	Max.	2.55	3	3
Reverse Voltage (V), I _R =10μA	Min.	3	3	3

θ ½ is the off axis angle at which the luminous intensity is half the axial luminous intensity

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