

5mm
High Efficiency
Tinted, Non-Diffused

Dialight
5HN-xxxx

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

<u>TYPE</u>	<u>COLOR</u>
*5HN-9247	Red
*5HN-9249	Yellow
*5HN-9251	Green
*5HN-9419	Red
*5HN-9420	Green
*5HN-9421	Yellow

ABSOLUTE MAXIMUM RATINGS ($T_A=25^\circ\text{C}$)	Red	Yellow	Green	Red	Green	Yellow
	-9247	-9249	-9251	-9419	-9420	-9421
Power Dissipation (mW)	135	85	135	75	75	75
Derating (mW/°C) From 25° 1. From 50°	1.8	1.6	1.8	1.5 ¹	1.5 ¹	1.5 ¹
Forward Current (mA)	30	20	30	25	25	25
Peak Current (mA) Pulse Width = 1 μs	500	500	500	60	60	60
Operating Temperature (°C)	-55/+100	-55/+100	-20/+100	-55/+100	-55/+100	-55/+100
Storage Temperature (°C)	-55/+100	-55/+100	-55/+100	-55/+100	-55/+100	-55/+100
Soldering Temperature	260°C, 5 seconds, 1.6 mm from case					

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

OPERATING CHARACTERISTICS ($T_A=25^\circ\text{C}$)	Red	Yellow	Green	Red	Green	Yellow	
	-9247	-9249	-9251	-9419	-9420	-9421	
Luminous Intensity (mcd)	Min.	25*	25*	25*	56	56	56
$I_F=20\text{mA}$ * $I_F=10\text{mA}$	Typical	60*	50*	70*	110	110	110
Peak Wavelength (nm) λ Peak	Typical	635	583	565	650	565	585
Viewing Angle (2θ ½)	Typical	35°	35°	24°	30°	30°	30°
Forward Voltage (V)	Typical	2.2*	2.2*	2.3*	2.1	2.2	2.2
$I_F=20\text{mA}$ * $I_F=10\text{mA}$	Max.	3*	3*	3*	2.55	2.55	2.55
Reverse Voltage (V), $I_R=100\mu\text{A}$	Min.	5	5	5	5	5	5

¹ θ is the off axis angle at which the luminous intensity is half the axial luminous intensity