



- Red, Orange, Amber, Green, Blue
- Ceramic Substrate
- Available In Arrays Of Two, Three, Four and Six

**Electro-Optical Characteristics @  $T_A = 25^\circ C$**

**Absolute Maximum Ratings @  $T_A = 25^\circ C$**

Part Number	Color	Peak Wavelength $\lambda_{pk}$ (nm)	Luminous Intensity Iv (mcd) <sup>[1]</sup> @ If=15mA Min/Typ	Viewing Angle $2\theta_{1/2}$ (deg)	Forward Voltage Vf <sup>[1]</sup> @ If=15mA Typ/Max	Power Dissipation (mW) <sup>[1]</sup>	Derating Factor (mW/°C) <sup>[1]</sup>	Maximum Continuous Current (mA) <sup>[1]</sup>	Operating Temperature (°C)	Storage Temperature (°C)
SFN-RR-2[2]	RED	660	4.0/8.0[3]	160	1.7/2.6[3]	45	.33	15	-25 / +65	-30 / +75
SFN-R-2[2]	RED	630	1.3/3.2	160	1.9/2.5	50	.33	20	-25 / +75	-30 / +85
SFN-O-2[2]	ORG	610	2.4/6.4	160	2.0/2.7	65	.33	20	-25 / +75	-30 / +85
SFN-A-2[2]	AMB	585	2.4/6.4	160	2.0/2.7	55	.33	20	-25 / +75	-30 / +85
SFN-G-2[2]	GRN	565	4.8/9.6	160	2.1/2.6	50	.33	20	-25 / +75	-30 / +85
SFN-PG-2[2]	GRN	555	1.3/3.2	160	2.1/2.6	50	.33	20	-25 / +75	-30 / +85
SFN-B-2[2]	BLU	470	0.1/0.2	160	3.0/3.5	50	.33	20	-25 / +75	-30 / +85

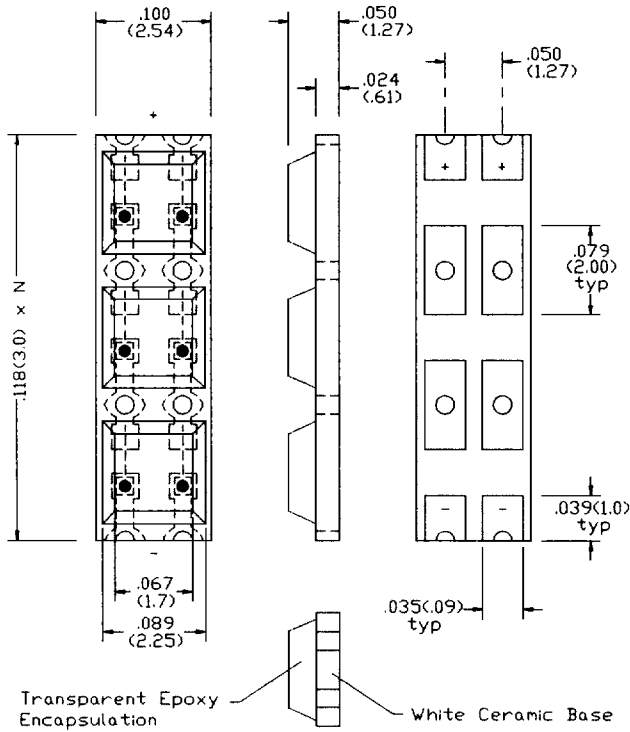
- [1] Ratings are per chip.
- [2] Replace N with the number of LEDs in the array, 2, 3, 4, or 6 (e.g. SF3-R-2).
- [3] Forward Current = 10mA.

Reverse Breakdown Voltage Vr(IR=100 $\mu$ A)=4Vdc, BR Series=3Vdc.  
 Flow, Reflow LED Soldering Temperature less than 10 seconds=260°C.

Color	$\lambda_{pk}$ (nm)	Chip Material
RED	660	GaAlAs
RED	635	GaAsP
ORG	610	GaAsP
AMB	585	GaAsP
GRN	555-565	GaP
BLU	470	SiC

**To Order:** Select one Part Number from the **SHADED** column in the table.

**Example:** SF3-R-2 (Three Unit Surface-Mount Array, Dual-Chip RED LEDs)



NOTE: Polarity is reversed for BR chip.

**Surface-Mount Array, Dual-Chip**

<p>All dimensions are in inches(mm)  Tolerances: .xx"(x) ±.025"(.63) / .xxx"(xx) ±.010"(.25)  Specifications are subject to change without notice.</p>
--