

7012X Series Bright★Chips™ High Brightness SMT LEDs 0805 Package Size Description and Features



- Premium brightness in miniature chip-type LED assemblies.
- Ideally suited for applications such as telecommunications, dataprocessing peripherals and networking units as replacements for through-hole products.
- Also ideal for backlighting or light pipe applications.
- Compact size: 2mm wide x 1.25mmdeep x 1mm high
- 4000 pieces per reel

- Integral reflection cup maximizes output
- Compatible with full range of IR and vapor phase reflow processes, and conductive adhesives, to facilitate high-speed board loading.
- Packaged for automatic component placement in pocketed anti-static tape reels.
- Refer to "Solder Pad Geometry 3.pdf"

Electro-Optical Characteristics and Ratings

PART NUMBER	7012X13	7012X5	7012X1	7012X7
OutputColor	Yellow	Green	Red	Yellow/Green
Diffusion	Diffus ed	Diffus ed	Diffus ed	Diffus ed
Package Color	Clear	Clear	Clear	Clear
TestCurrent(mA)	20	20	20	20
Forward Voltage Typ. (V)	2.2	2.1	1.7	2.1
Forward Voltage Max. (V)	2.5	2.5	2.0	2.5
Luminous Intensity Min. (mcd)	2.2	3.8	7.0	7.0
Luminous Intensity Typ. (mcd)	3.7	6.4	11.7	11.7
Luminous Intensity Max. (mcd)	-	-	-	-
Peak Wavelength (nm)	580	560	660	570
Viewing Ang le 20 1/2 (degrees)	-	-	-	-
Power Dissipation (mW)	62.5	62.5	50	62.5
Operating Temperature (°C)	-40 to +85	-40 to +85	-40 to +85	-40 to +85
S torage Tempe rature (°C)	-40 to +90	-40 to +90	-40 to +90	-40 to +90
Peak Forward Current Max. (1µs @ 10% duty cy cle) (mA)	60	60	60	60
Reverse Voltage (IR=100µA) (V)	4	4	4	4
Lead Solder Time @ 260℃	5	5	5	5

