



Amber 180° Angle Ceramic Chip

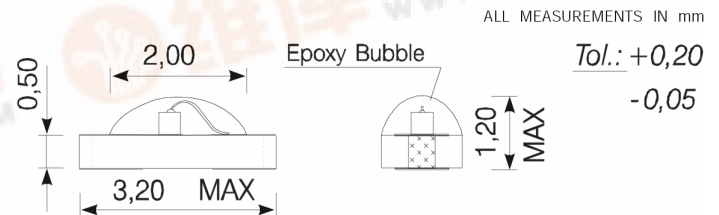
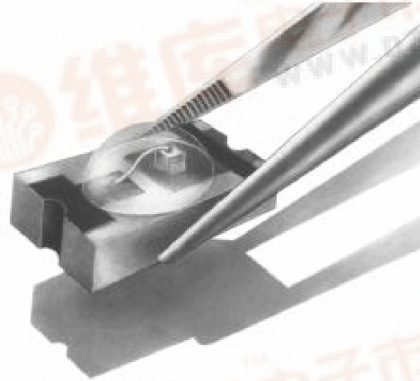
CR 12 A

Features

Solid State Ceramic Chip
Surface Mounting Device
High Power Thermal Absorption
Superior Light Uniformity Over 180°
End to End Side to Side Stackable Down to a Pitch of 1,33mm
Solder Pads Conform to Mil-Std 883B
Amber Diffused Lens

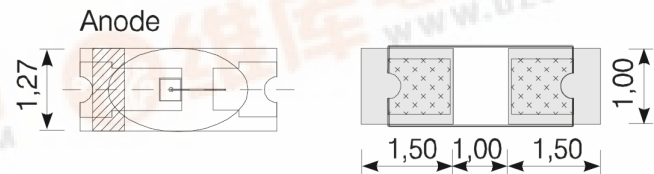
Applications

Ideal For Back Light Applications
Custom Configurations
Application for Night Light Conditions



Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Unit
Forward Current	I _F	75	mA
Reverse Voltage	V _R	100	V
Power Dissipation	P _D	130.00	mW
Operating Temperature	T _{opr}	-25 ~ +80	°C
Storage Temperature	T _{stg}	-25 ~ +120	°C
Soldering Temperature	T _{sol}	250	°C
Soldering Time	-	for 10 sec. max	-



Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	V _F	I _F =20mA	-	2.20	2.40	V
Reverse Current	I _R	V _R =5V	-	-	100	μA
Luminous Intensity	I _v	I _F =20mA	1.80	5.30	-	mcd
Viewing Angle	2θ ^{1/2}	-	-	180°	-	deg.
Peak Wavelength	λ _p	I _F =20mA	-	612	-	nm
Dominant Wavelength	λ _d	I _F =20mA	-	605	-	nm
Spectral Line Half Width	Δλ	I _F =20mA	-	15	-	nm

Company Headquarters

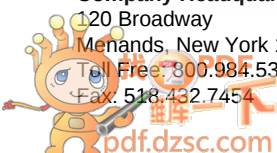
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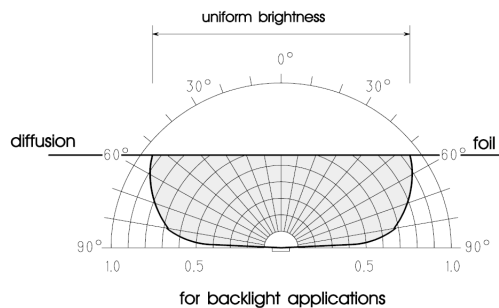
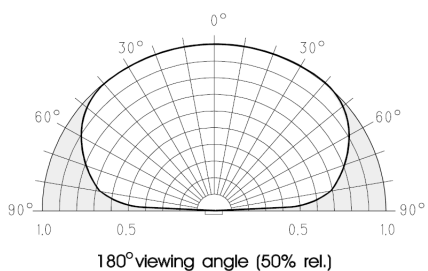
Web: www.marktechopto.com | Email: info@marktechopto.com

West Coast Sales Office

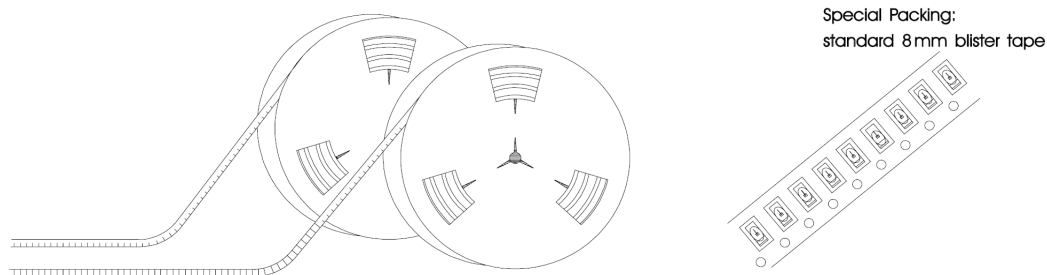
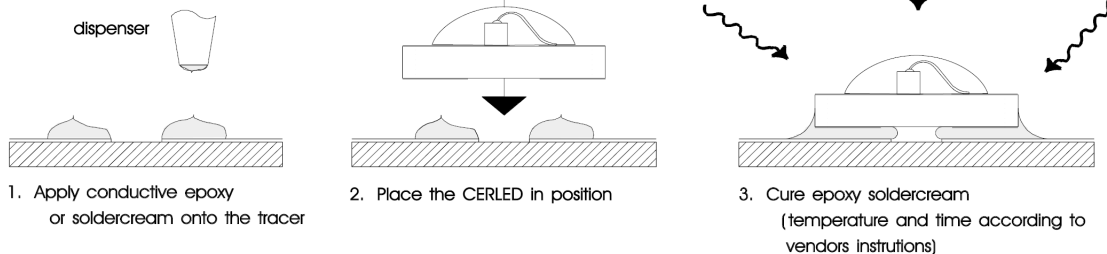
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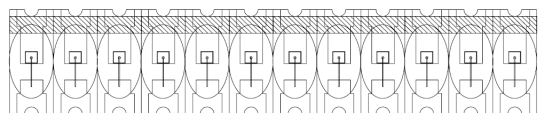
CR 12 A Graphs



SUGGESTED MOUNTING METHOD



ARRAYS



code to order strips:
CR 10 XX - 10
No of LEDs

Available in strips up to 12 CERLEDs with a max. pitch tolerance in spacing and linearity of $\pm 0,01$ mm between chip centers.