TOSHIBA

Surface Mount LED

TLRE1005B

Features

3.2 (L) x 2.4 (W) x 2.4 (H) mm 2 mm lens top type InGaAIP LED Reflow soldering is possible Standard embossed taping 4 mm pitch : T03 (1000 pcs/reel)

Applications

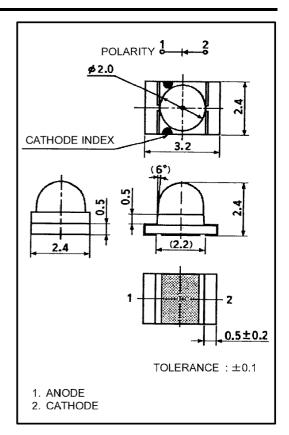
High-output backlighting source Battery-powered equipment Message boards Portable devices Computer peripherals

Maximum Ratings (Ta=25°C)

or the state of						
Characteristic	Symbol	Max.	Unit			
Forward Current	lf	25	mA			
Reverse Voltage	VR	4.00	V			
Power Dissipation	Po	60.00	mW			
Operating Temperature	Topr	-40 ~ 85	°C			
Storage Temperature	Tstg	−40 ~ 100	°C			
Soldering Temperature	Tsol	260	°C			
Soldering Time	-	for 3 sec. max	_			

Opto-Electrical Characteristics (Ta=25°C)

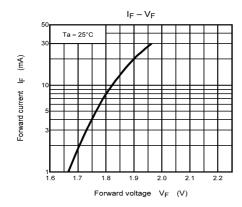
Opto-Liectrical Characteristics (1a=25 C)								
Characteristic	Symbol	Test Condition	Min	Тур	Max	Unit		
Forward Voltage	VF	I=20mA	-	1.90	2.40	V		
Reverse Current	lr	V _R =4V	-	-	50	μΑ		
Luminous Intensity	I٧	I=20mA	153.00	450.00	-	mcd		
Viewing Angle	2θ ^{1/2}	-	-	45°	-	deg.		
Peak Wavelength	λр	I=20mA	-	644	-	nm		
Dominant Wavelength	λd	I=20mA	-	630	-	nm		
Spectral Line Half Width	Δλ	I=20mA	_	18	_	nm		

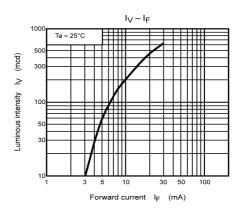


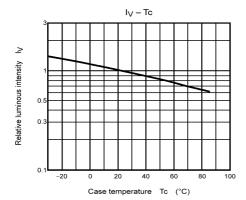
Fax: 518.785.4725

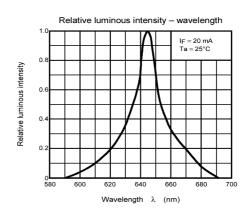
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TLRE1005B Graphs



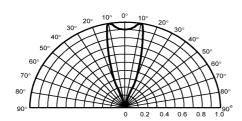


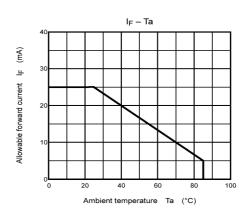




Radiation pattern

Ta = 25°C





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Surface Mount LED

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