

21RP070TWRG4B
Hi-Eff Red/Hi-Eff Green
Bi-Level Rectangular PCB (1.8x3.9mm) LEDs
125° viewing angle

DWG BY:

GP

06-08-07

CHK BY:

PL

06-08-07

QA:

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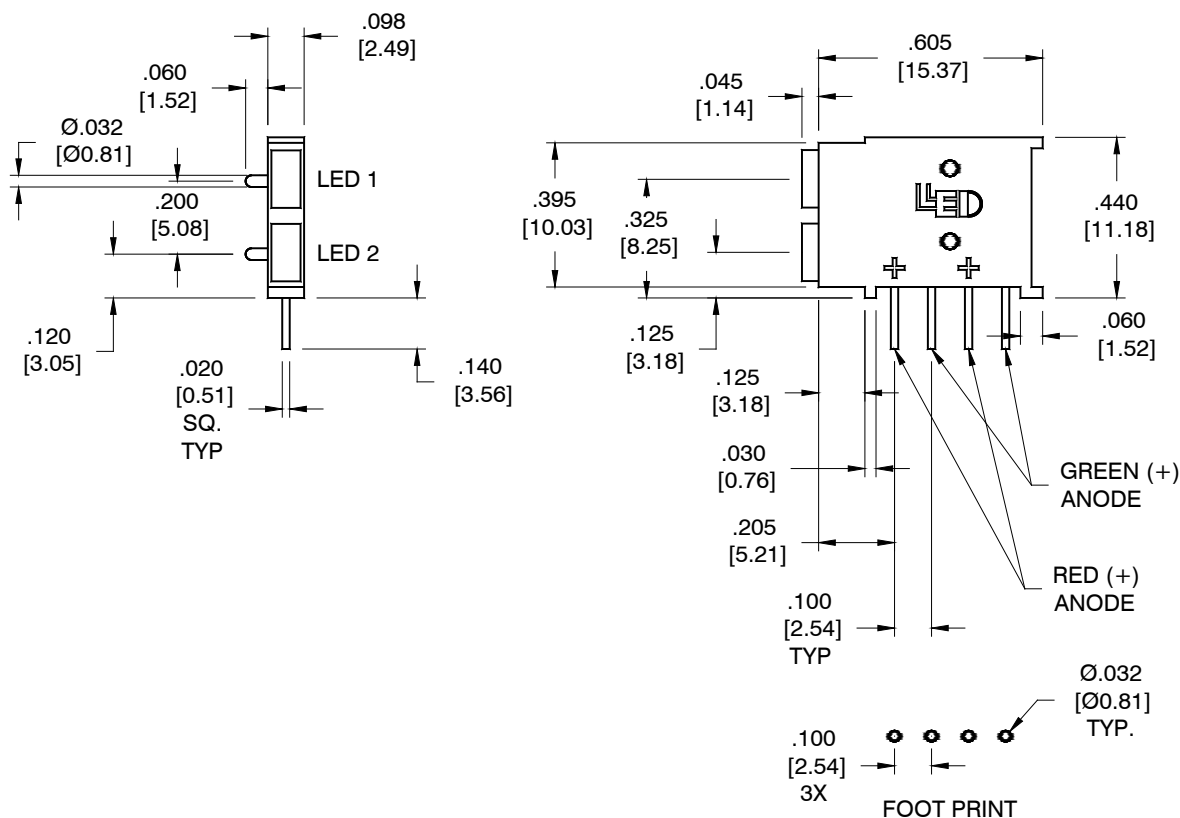
MFG:

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REVISION LTR: -

06-08-07



● **Absolute Maximum Ratings(Ta=25°C)**

Parameter	Symbol	Hi-Eff Red	Green	Unit
Power Dissipation	P _d	80	80	mW
Forward Current	I _F	30	30	mA
Peak Forward Current* ¹	I _{FP}	150	150	mA
Reverse Voltage	V _R	5		V
Operating Temperature	T _{opr}	-40°C ~80°C		
Storage Temperature	T _{stg}	-40°C ~85°C		
Soldering Temperature	T _{sol}	260°C (for 5 seconds)		

*¹Condition for I_{FP} is pulse of 1/10 duty and 0.1msec width.

● **Electrical and optical characteristics(Ta=25°C)**

Parameter	Symbol	Condition	Color	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F =20mA	Hi-Eff Red Green	-	2.0 2.2	2.6 2.6	V
Luminous Intensity	I _v	I _F =20mA	Hi-Eff Red Green	-	4.5 8.5	-	mcd
Reverse Current	I _R	V _R =5V	Hi-Eff Red Green	-	-	100	μA
Peak Wave Length	λ _p	I _F =20mA	Hi-Eff Red Green	-	642 565	-	nm
Dominant Wave Length	λ _d	I _F =20mA	Hi-Eff Red Green	- -	626 571	- -	nm
Spectral Line Half-width	Δλ	I _F =20mA	Hi-Eff Red Green	-	43 29	-	nm
Viewing Angle	2θ _{1/2}	I _F =20mA	Hi-Eff Red Green	-	125	-	deg
Chromaticity Coordinates	X	I _F =20mA	Hi-Eff Red	-	0.70	-	
	Y				0.30		
Chromaticity Coordinates	X	I _F =20mA	Green	-	0.45	-	
	Y				0.54		

● **Typical Electro-Optical Characteristics Curves**

