3.0mmx1.0 mm RIGHT ANGLE INFRARED EMITTING DIODE

Part Number: APA3010F3C-GX

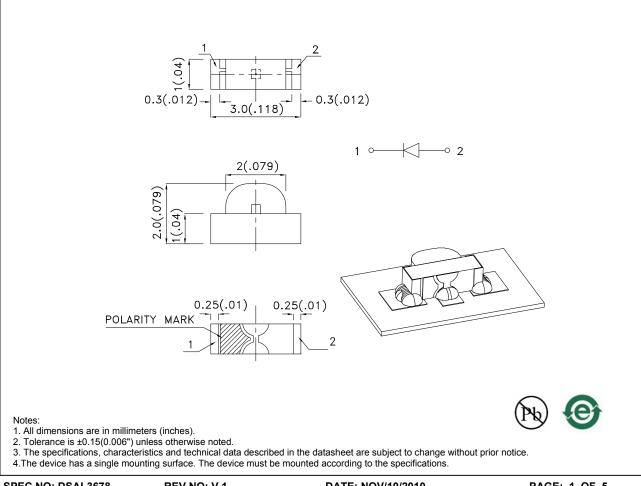
Features

- 3.0mmx1.0mm right angle SMT LED, 2.0mm thickness.
- Mechanically and spectrally matched to phototransistor.
- Tinned pads for improved solderability.
- Package : 2000pcs / reel.
- Moisture sensitivity level : level 3.
- RoHS compliant.

Description

F3 Made with Gallium Arsenide Infrared Emitting diodes.

Package Dimensions



SPEC NO: DSAL3678 APPROVED: WYNEC REV NO: V.1 CHECKED: Allen Liu DATE: NOV/10/2010 DRAWN: C.H.HAN PAGE: 1 OF 5 ERP: 1203000562

Selection Guide

Ocicetion Guide					
Part No.	Dice	Po (mW/sr) [2] @ 20mA		/ - -	Viewing Angle [1]
			Min.	Тур.	201/2
APA3010F3C-GX	F3 (GaAs)	Water Clear	1.2	3	120°

Notes:

1. θ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value.

2. Radiant Intensity/ luminous flux: +/-15%.

Electrical / Optical Characteristics at TA=25°C

Parameter	P/N	Symbol	Тур.	Max.	Units	Test Conditions
Forward Voltage [1]	F3	VF	1.2	1.6	V	I⊧=20mA
Reverse Current	F3	lr		10	uA	VR = 5V
Capacitance	F3	С	90		pF	VF=0V;f=1MHz
Peak Spectral Wavelength	F3	λP	940		nm	I⊧=20mA
Spectral Bandwidth	F3	Δλ1/2	50		nm	I⊧=20mA

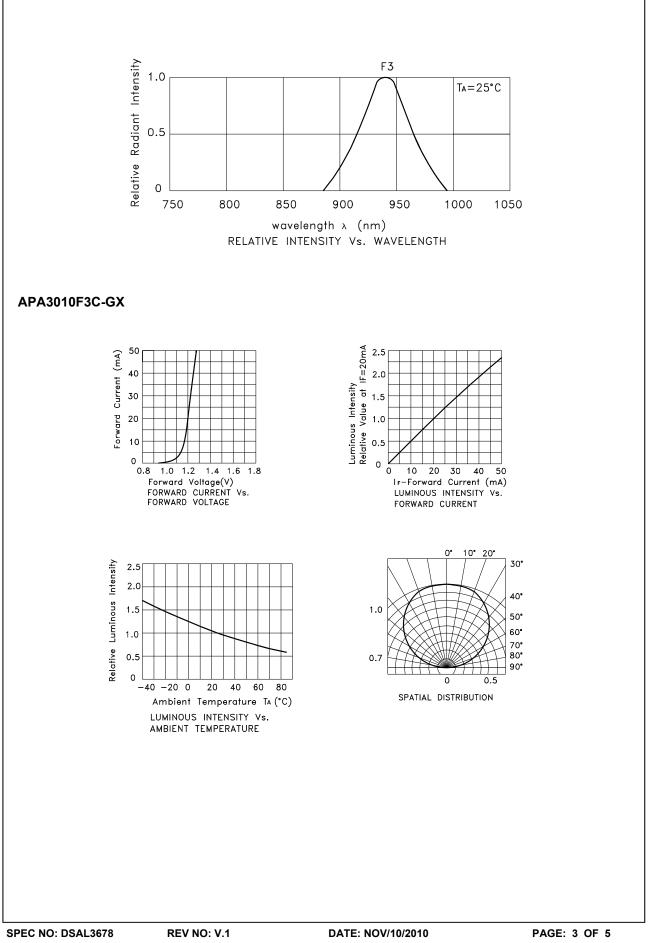
Note:

1. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

Parameter	Symbol	F3	Units
Power dissipation	Po	80	mW
DC Forward Current	lf	50	mA
Peak Forward Current [1]	ifs	1.2	А
Reverse Voltage	VR	5	V
Operating Temperature	Та	-40 To +85	°C
Storage Temperature	Тятд	-40 To +85	°C

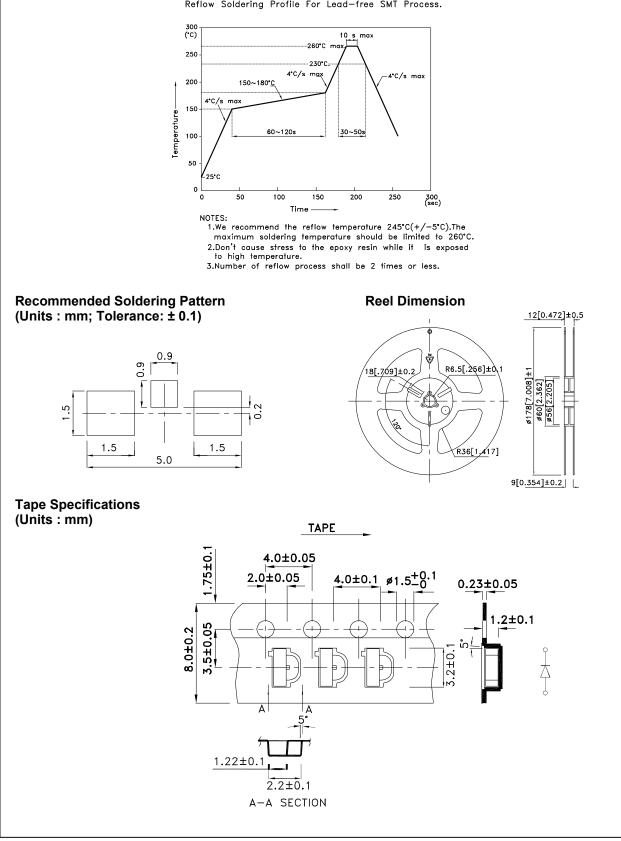
Note: 1. 1/100 Duty Cycle, 10µs Pulse Width.



APA3010F3C-GX

Reflow soldering is recommended and the soldering profile is shown below. Other soldering methods are not recommended as they might cause damage to the product.

Reflow Soldering Profile For Lead-free SMT Process.



DATE: NOV/10/2010 DRAWN: C.H.HAN

