



YETDA INDUSTRY LTD.

Technical Data Sheet

MODEL NO : Q170Y4-5mA

0805Package 2*1.25mm Chip LEDs

Features :

- Package in 8mm tape on 7" diameter reel
- Compatible with automatic placement equipment
- Compatible with reflow solder process

Applications :

- Indicators
- Automotive : backlighting in dashboard and switch
- Backlight for LCD

Dice material	Emitted color	Lens Color
InGaAlP	Yellow	Water Clear

Electrical/Optical Characteristics(Ta=25°C)

Parameter	Test Condition	Symbol	Min	Typ	Max	Unit
Luminous intensity	If=5mA	Iv	21		48	mcd
Dominant Wavelength	If=5mA	λ_{dom}	586		594	nm
Forward voltage	If=5mA	VF	1.6		2.4	V
Reverse current	Vr=5V	IR			10	μ A
Viewing angle at 50% Iv	If=5mA	2 θ 1/2		120		Deg

Absolute Maximum Ratings(Ta=25°C)

Parameter	Symbol	Maximum	Unit
Power Dissipation	Pd	62	mW
Peak Forward Current(1/10 Duty Cycle 0.1ms Pulse Width)	IF(Peak)	100	mA
Continuous Forward Current	IF	25	mA
Reverse Voltage	VR	5	V
Derating Linear From 25°C		0.3	mA/°C
Operating Temperature Range	Topr	-40 to +85	°C
Storage Temperature Range	Tstg	-40 to +85	°C

13APR11W



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Package Dimensions

