



Apex Science & Eng. Corp.

(Optoelectronic Div.)

Surface Mounted Chip LED

Model No. : RY-SP172YG34

Features :

- Compatible with automatic placement equipment
- Compatible with reflow solder process

Applications :

- Automotive_Telecommunication
- Indicators
- LCD Back-lights
- Illuminations

Dice Material	Light Color	Lens Color
GaP	Yellow Green	Water Clear

Absolute Maximum Ratings

(Ta=25)

Item	Symbol	Maximum	Unit
Power Dissipation	P _D	65	mW
Continuous Forward Current	I _F	30	mA
Peak Forward Current (1/10 Duty Cycle 0.1ms Pulse Width)	I _{FP}	100	mA
Reverse Voltage	V _R	5	V
Derating Linear From 25		0.4	mA/
Operating Temperature Range	Topr	-30 to +80	
Storage Temperature Range	Tstg	-40 to +85	

Electrical / Optical Characteristics

(Ta=25)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	IF=20mA		2.3	2.7	V
Reverse Current	I _R	VR=5V			10	uA
Peak Emission Wavelength	λ _p	IF=20mA		568		nm
Dominant Wavelength	λ _D	IF=20mA		570		nm
Viewing Angle	2 θ _{1/2}	IF=20mA		130		Deg
Luminous Intensity	I _V	IF=20mA	8.0	15.0		mcd

ISSUE	VERSION : B	DATE : 2001/10/12	ENGINEER :
	DIMENSION NO :	CHECKER :	APPROVER :