



Apex Science & Eng. Corp.

(Optoelectronics Div.)

Surface Mounted Chip LED

Model No. : RY-SP172DSG74

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
InGaN	Green	Water Clear

Absolute Maximum Ratings

(Ta=25)

Item	Symbol	Maximum	Unit
Power Dissipation	P _D	78	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		3.5	4.2	V
Reverse Current	I _R	VR=5V			10	uA
Peak Emission Wavelength	λ _P	IF=20mA		510		nm
Dominant Wavelength	λ _D	IF=20mA		515		nm
Viewing Angle	2θ	IF=20mA		130		Deg
Luminous Intensity	I _V	IF=20mA	72.0	140.0		mcd

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