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383URC-3 TECHNICAL DATA

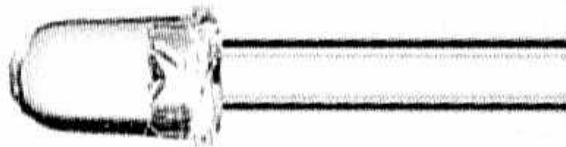
RED GaAlAs LED

Technology: **GaAlAs structure**

Peak Wavelength: **660 nm typ.**

Luminous Intensity: **3.0 cd typ.**

Package: **5 mm clear plastic**



Absolute Maximum Ratings (Tc=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	V _R	5	V
Reverse Current	I _R	10	μA
Soldering Temperature	T _S	260	°C for 5 s
Operating Temperature	T _{OP}	-40 .. +85	°C
Storage Temperature	T _{STG}	-40 .. +100	°C

Optical-Electrical Characteristics (Tc = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Luminous Intensity	L _{I (660 nm)}	I _F = 20 mA	2000	3000		mcd
Optical Output Power	P _O	I _F = 20 mA	6	6.5	7	mW
Forward Voltage	V _F	I _F = 20 mA	1.5	1.7	2.4	V
Forward Current	I _F	cw		20	40	mA
Peak Forward Current	I _P	Dutycycle 0.1 @ 1 kHz			200	mA
Power Dissipation	P _D			110		mW
Peak Wavelength	λ _P	I _F = 20 mA		660		nm
Spectrum Half Width	Δλ	I _F = 20 mA		20		nm
Viewing Angle	2θ ½	I _F = 20 mA		12		°