



All dimensions are in millimeters / Tolerance is +/- 0.25 unless otherwise noted

**Emitting Colour: red**

**Chip: GaAIAs**

**Epoxy: red diffused**

**RoHS compliant**

**Electrical / Optical Characteristics at Ta=25°C**

Symbol	Parameter	Min.	Typ.	Max.	Conditions
$2\Theta_{1/2}$	Viewing Angle		40°		
$I_v$	Luminous Intensity	380mcd	500mcd		$I_F = 20mA$
$\lambda_{peak}$	Peak Wavelength		660nm		$I_F = 20mA$
$\lambda_{dom}$	Dominant Wavelength		640nm		$I_F = 20mA$
$\Delta\lambda_{1/2}$	Spectral Line Half Width		20nm		$I_F = 20mA$
$V_F$	Forward Voltage		1.85V	2.5V	$I_F = 20mA$
$I_R$	Reverse Current			10µA	$V_R = 5V$
C	Capacitance		45pF		$V_F = 0V; f = 1MHz$

**Absolute Maximum Ratings at Ta=25°C**

Parameter	
Power Dissipation	100mW
DC Forward Current	30mA
Peak Forward Current (1)	155mA
Reverse Voltage	5V
Operating Temperature	-40°C to 85°C
Storage Temperature	-40°C to 85°C
Lead Solder Temperature (2)	260°C for 3 seconds

Notes: (1) 1/10 duty cycle, 0.1ms pulse width / (2) 2mm below package base



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**T-1 (3mm) LED - red**

Revision:	Date:	Name:	Drawn: <b>J.J.</b>	Ch'd: <b>D.L.</b>	Date: <b>17.10.05</b>
			Scale: <b>3 : 1</b>	Datasheet: <b>CT301R44D-40</b>	