SHARP GL610T

GL610T

Chip Type Infrared Emitting Diode

■ Features

1. Subminiature (Dimensions : $1.6 \times 1.6 \times 0.8$ mm)

2. Thin type (Thickness: 0.8mm)3. Taped model (4 000pcs./reel)

4. Leadless type

■ Applications

1. Small and thin type remote control units

2. Tape end detectors for VCR, VCR camera

3. Light source of tatch panel for car navigation system

4. Portable equipment

■ Absolute	Maximum	Ratings
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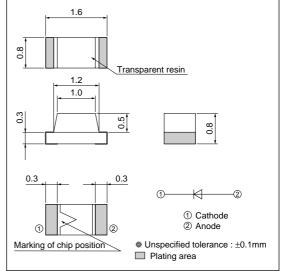
(Ta=25°C)

Parameter	Symbol	Rating	Unit
Forward current	IF	50	mA
*1 Peak forward current	Iғм	500	mA
Reverse voltage	VR	6	V
Power dissipation	P	150	mW
Operating temperature	Topr	-25 to +85	°C
Storage temperature	Tstg	-25 to +100	°C
*2 Soldering temperature	Tsol	260	°C

^{*1} Pulse width=100µs, Duty ratio=0.01

■ Outline Dimensions





^{*2} Hand soldering temperature, for MAX. 3s

■ Electro-optical Characteristics

(Ta=25°C)

Parameter	Symbol	Conditions	MIN.	TYP.	MAX.	Unit
Forward voltage	VF	I=50mA	_	1.3	1.5	V
*1 Peak forward voltage	V _{FM}	I _{FM} =0.5A	_	2.2	3.5	V
Reverse current	IR	V _R =3V	_	-	10	μΑ
Radiant flux	фе	V _F =20mA	0.7	2.0	_	mW
Peak emission wavelength	λр	I=20mA	_	950	_	nm
Spectrum radiation bandwidth	Δλ	I _F =20mA	_	40	_	nm
Response frequency	fc	_	_	300	_	kHz
Half intensity angle	Δθ	I _F =20mA	_	±60	_	۰

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