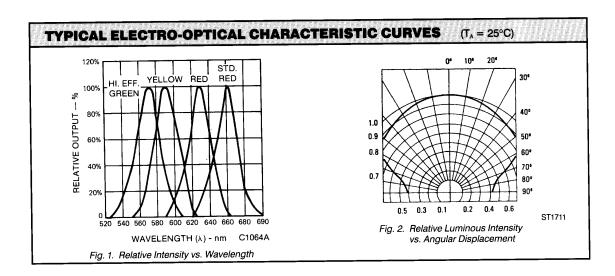


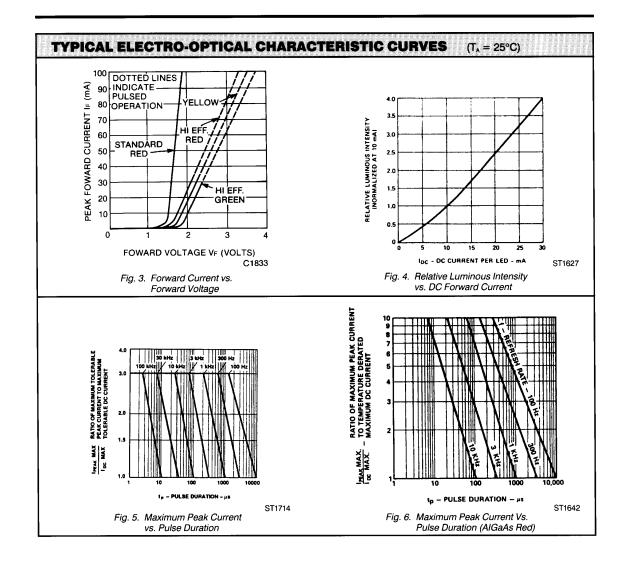
SURFACE MOUNT LED LAMP FLAT TYPE

PART NUMBER	282-2	282-3	282-4	282-7	TEST CONDITIONS
Luminous intensity (mcd)					I _F =20 mA
minimum	1.5	3.5	1.0	11	
typical	5.6	6.0	5.6	17	
Forward voltage (V _F)					$I_F=20 \text{ mA}$
minimum	1.7	1.7	1.7	1.7	
typical	2.0	2.0	2.1	2.0	
maximum	2.8	2.8	2.8	2.8	
Peak wavelength (nm)	640	585	565	660	I ₌ =20 mA
Spectral line half width (nm)	45	35	30	20	$I_F=20 \text{ mA}$
Reverse breakdown voltage (V _R)	5	5	5	5	$I_R = 10 \mu A$
Viewing angle (°)	150	150	150	150	$I_F=20 \text{ mA}$





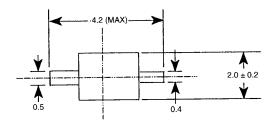
SURFACE MOUNT LED LAMP FLAT TYPE





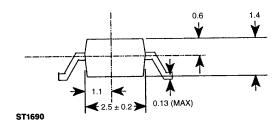
SURFACE MOUNT OPTION FOR QTLP282-X FLAT TYPE LED LAMP GULL WING LEAD CONFIGURATION

LEAD BEND OPTIONS



DESCRIPTION

These flat package LED lamps are encapsulated in an axial lead package with a clear lens. Automatic placement equipment can be used to mouont these LEDs on PC boards. The lamps can be mounted using either batch or in line vapor phase reflow solder processes. Subminature lamps are availabe in red, high efficiency red, yellow, and green.



FEATURES

- Gull Wing lead configuration for surface mount application
- Compatible with automatic placement equipment
- Compatible with vapor phase reflow solder processes.
- Supplied on tape and reel or in bulk packaging

ABSOLUTE MAXIMUM RATING (TA = 2	5°C Unless Otherwise Specified)
Wave soldering temperature	
(1.6 mm (0.063") from body)	
Surface Mount Reflow	
Soldering:	DOESC for OO accords
Convective IR	235°C for 90 seconds
Vapor phase	215°C for 3 minutes

ABSOLUTE MAXIMUM SOLDER RATINGS AND ELECTRICAL/OPTICAL CHARACTERISTICS

The absolute maximum ratings and electrical/optical specifications are identical to the basic catalogue device, except for the vapor phase soldering rating as specified above.



SURFACE MOUNT LED LAMP FLAT TYPE

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