

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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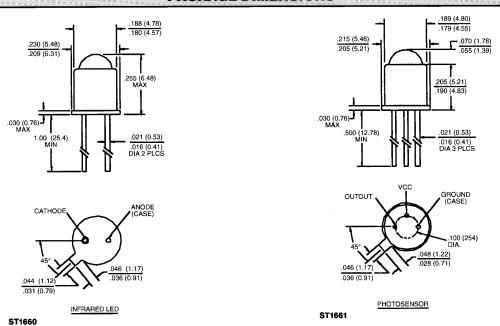




HERMETIC PAIR

QPA8259

PACKAGE DIMENSIONS



NOTES:

- DIMENSIONS ARE IN INCHES [mm].
 TOLERANCE IS ± .010 [.25]
 UNLESS OTHERWISE SPECIFIED.

DESCRIPTION

The QPA8259 consists of an 880nm AlGaAs LED and an OPTOLOGIC™ silicon photosensor mounted in hermatically sealed packages.

FEATURE

- Narrow emission/reception angle
- Hermetically sealed packages





C to +150°C C to +125°C
or 5 sec. ^{(3,4,5} or 10 sec. ^{(3,4}
60 m/
3.0 Volts
170 mW ^c
50 mA
5 to 16 Volts
5 to 16 Volts

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
INPUT DIODE						
Forward Voltage	$V_{\scriptscriptstyle F}$	_		1.7	٧	$I_F = 20 \text{ mA}$
Reverse Leakage Current	I _R	_		10	μΑ	V _B = 3 V
OUTPUT OPTOLOGIC™						
Operating Supply Voltage	V_{cc}	4.5		16.0	٧	
Supply Current	Icc	_		12.0	mA	E _e = 0 or 0.3 mW/cm ²
Output Current High	I _{он}	_		10	μΑ	$E_e = 0, V_{OH} = 30 \text{ V}$
Low Level Output Voltage	V _{oL}	_		0.4	٧	$E_e = .3 \text{ mW/cm}^2$, $R_L = 270\Omega$
COUPLED	•					
Turn-On Threshold Current	$I_{F(+)}$	_		20.0	mA	$V_{\text{cc}}=5$ V, $R_{\text{\tiny L}}=270\Omega,D=.250^{\prime\prime(6)}$
Turn-Off Threshold Current	I _{F(-)}	1.0		_	mA	$V_{cc} = 5 \text{ V}, R_L = 270\Omega, D = .250''^{(6)}$
Hysteresis Ratio	I _{F(+)} /I _{F(-)}	1.1		2.0		$V_{cc} = 5 \text{ V}, R_L = 270\Omega, D = .250''^{(6)}$

NOTES

- Derate power dissipation linearly 1.70 mW/°C above 25°C.
 Derate power dissipation linearly 2.50 mW/°C above 25°C.
- 3. RMA flux is recommended.
- Methanol or Isopropyl alcohols are recommended as cleaning agents.
 Soldering iron tip 1/4" (1.6 mm) from housing.
 D is the distance from lens tip to lens tip.



HERMETIC PAIR

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