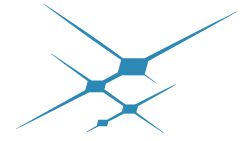


Skyworks Solutions, through its wholly-owned subsidiary Isolink, provides upscreened and hermetically sealed high-reliability optocouplers, RF diodes and RFICs including multi-chip modules (MCM) for aerospace, defense, medical, extreme industrial and high-reliability markets and applications.



SKYWORKS®

| Optocoupler Product Selector Guide

Function	Description	Part Number	Condition	Min.	Max.	BV_{CE0} (V)	V_{CC} Max. (V)	Switching Time (ns)	Isolation @ V_{DC} 1 Sec.	Package Outline (Fig. Number)							
	Phototransistor Optocouplers	OLI110 ²	CTR @ $I_f = 10$ mA	100	-	60	-	25	1500	8							
		OLI249 ¹		200	1200	40			1500	1							
		OLS049 ¹²		200	1200	60			1000	9							
		OLS249 ¹		200	1200	40			1500	2							
		OLS449 ¹		1500	4000	65			1000	5							
		OLF249 ¹		200	1200	40			1000	3							
		OLH249 ¹		200	1200	40			1000	3							
		Dual Channel		OLS2249 ¹²	200	1200			65	1500	6						
				OLS2449 ¹²	1500	4000			65	1500	6						
				High-speed Optocouplers	OLI300 ¹	CTR @ $I_f = 10$ mA			15	-	-	18	-	1500	1		
OLS300 ¹	20		1500		2												
OLH300 ¹	20		1000		3												
OLF300 ¹	9		1000		5												
OLF300ET	5		1000		5												
Wideband Analog Optocouplers	OLI303		CTR @ $I_f = 5$ mA	20	80	-	-	BW > 150 kHz	1500	1							
				Low Input Current Photodarlington Optocouplers	CTR @ $I_f = 0.5 / 5$ mA	300 / 200	-	-	20	100	1500	1					
											OLI400 ¹	2					
											OLS400 ¹	5					
											OLF400 ¹	3					
OLH400 ¹		3															
Dual Channel		OLH5700 ¹ / 1 ¹	3000	4													
		OLH5730 ¹ / 1 ¹	3000	4													
			High-speed Switching, High CMR, Logic Gate Optocouplers	V_{OL} @ $I_f = 5$ mA							-	0.6 V	-	7	140	1500	1
																OLI500	2
																OLS500	5
OLF500	3																
OLH500	3																
Dual Channel	OLH5600		V_{OL} @ $I_f = 10$ mA		3000	4											
	OLH5630 / 1		3000		4												
			Schmitt Trigger Optocouplers		Threshold Current I_f @ $V_{CC} = 15$ V	-	10	-	18	300						1500	1
																OLI600	2
																OLS600	4
OLH6000 / 1		4															
	Linear Optocouplers	Transfer Gain, K1/K2	0.75	1.25	-	-	-	1000	2								
								OLS700	4								
	Photovoltaic Optocouplers	I_{SC} @ $I_f = 10$ mA	-7 μ A	-	-	-	-	1500	7								
								OLI910	2								
								OLS910	4								
								OLH910	4								
								2500	8								

1. Radiation tolerant. 2. No base connection.

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Package Outline Drawings

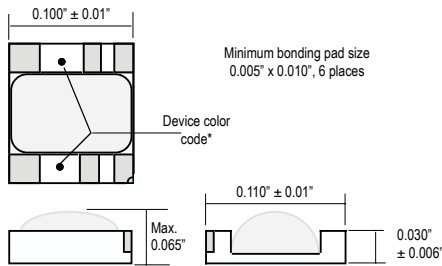


Fig. 16-Lead Ceramic Chip Carrier for Hybrid Assembly

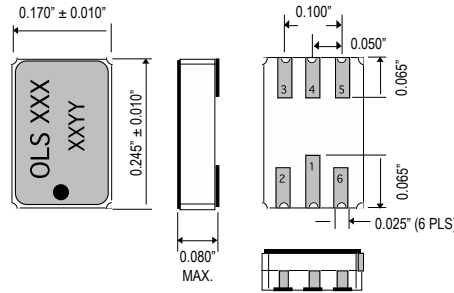


Fig. 2 Hermetic 6-pin Ceramic LCC Package

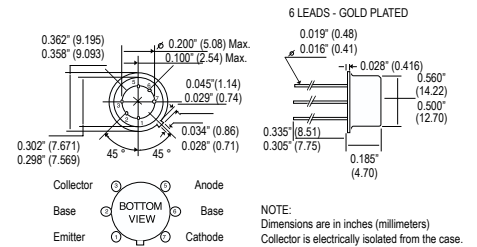


Fig. 3 Hermetic 6-pin to -5 Package

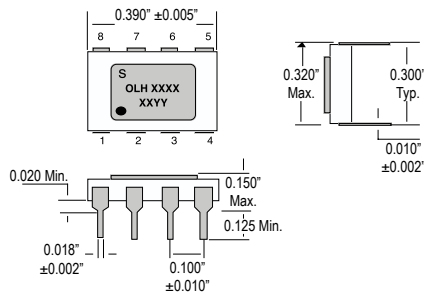


Fig. 4 Hermetic 8-pin DIP

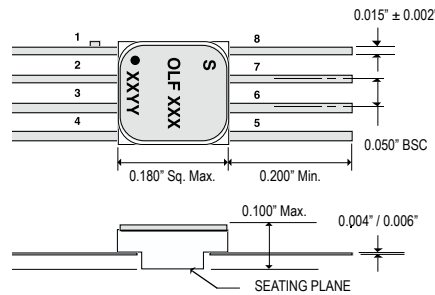


Fig. 5 Hermetic 8-pin Ceramic Flat Package

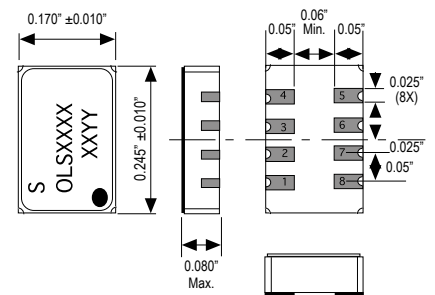


Fig. 6 Hermetic 4-pin Ceramic LCC Package

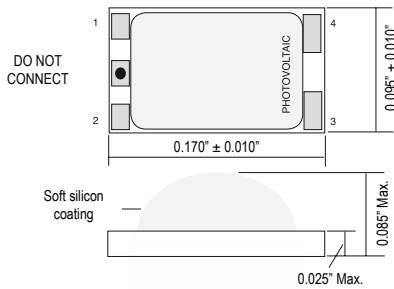


Fig. 7 4-Lead Ceramic Chip Carrier for Hybrid Assembly

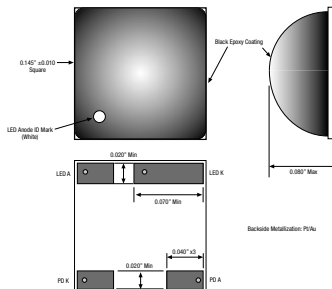


Fig. 8 4-Lead Surface Mounted Ceramic Chip Carrier

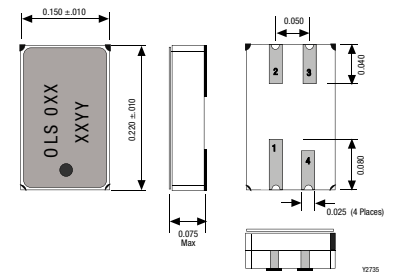


Fig. 9 Hermetic 4-pin Ceramic LCC Package

Custom Products and Special Requirements

- High-reliability screenings and multi-channel products are available upon request
- For solder dip, add " -1 " to the part number. (i.e. OLH249 -> OLH249-1)
- For tape & reel, add " -2 " to the part number. (i.e. OLH249 -> OLH249-2)
- For solder dip and tape & reel, add " -3 " to the part number. (i.e. OLH249 -> OLH249-3)

For more information, please visit our website at www.skyworksinc.com.