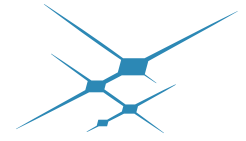


Skyworks Solutions, through its wholly-owned subsidiary Isolink, provides upscreened and hermetically sealed high-reliability optocouplers, RF diodes and RFICs including multi-chip modules (MCM) for aerospace, defense, medical, extreme industrial and high-reliability markets and applications.



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		
		OLF249 ¹		200	1200	40			1000	5	
		OLH249 ¹		200	1200	40			1000	3	
		Dual Channel		OLS2249 ¹²	200	1200			65	1500	6
				OLS2449 ¹²	1500	4000			65	1500	
		Function		Description	Part Number	Condition			Min.	Max.	BV_{CE0} (V)
	High-speed Optocouplers	OLI300 ¹	CTR @ $I_f = 10$ mA	15	-	-	18	-	1500	1	
		OLS300 ¹		20				2	1500	2	
		OLH300 ¹		20				2	1000	3	
		Wideband Analog Optocouplers	OLF300 ¹	CTR @ $I_f = 16$ mA				9	6	1000	5
			OLF300ET					5	6	1000	
			OLI303					CTR @ $I_f = 5$ mA	20	80	
	Low Input Current Photodarlington Optocouplers	OLI400 ¹	CTR @ $I_f = 0.5 / 5$ mA	300 / 200	-	-	20		1500	1	
		OLS400 ¹							2	1000	2
		OLF400 ¹						5	1000	5	
		OLH400 ¹						3	1000	3	
		OLH5700 ¹ / 1 ¹						100	3000	4	
Dual Channel	OLH5730 ¹ / 1 ¹	18	3000	4							
	High-speed Switching, High CMR, Logic Gate Optocouplers	OLI500	V_{OL} @ $I_f = 5$ mA	-	0.6 V	-	7	140	1500	1	
		OLS500							2	1000	2
		OLF500							5	1000	5
		OLH500							3	1000	3
		Dual Channel	OLH5600						V_{OL} @ $I_f = 10$ mA	3000	4
			OLH5630 / 1							3000	4
	Schmitt Trigger Optocouplers	OLI600	Threshold Current I_f @ $V_{CC} = 15$ V	-	10	-	18	300	1500	1	
		OLS600							2		
		OLH6000 / 1							4		
	Linear Optocouplers	OLS700	Transfer Gain, K1/K2	0.75	1.25	-	-	-	1000	2	
		OLH7000							4		
	Photovoltaic Optocouplers	OLI910	I_{SC} @ $I_f = 10$ mA	-7 μ A	-	-	-	-	1500	7	
		OLS910							2		
		OLH910							4		
		OLI920							2500	8	

1. Radiation tolerant. 2. No base connection.

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Package Outline Drawings

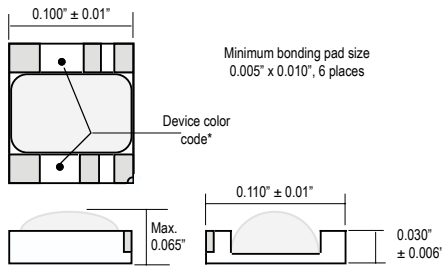


Fig. 16-Lead Ceramic Chip Carrier for Hybrid Assembly

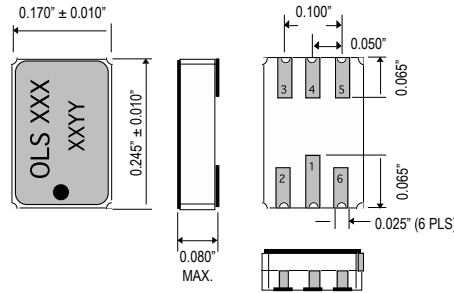


Fig. 2 Hermetic 6-pin Ceramic LCC Package

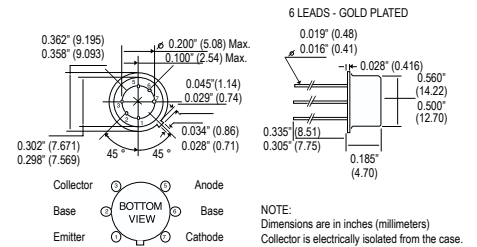


Fig. 3 Hermetic 6-pin to -5 Package

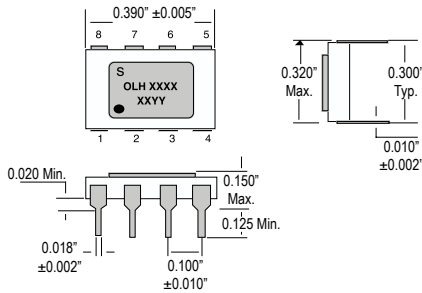


Fig. 4 Hermetic 8-pin DIP

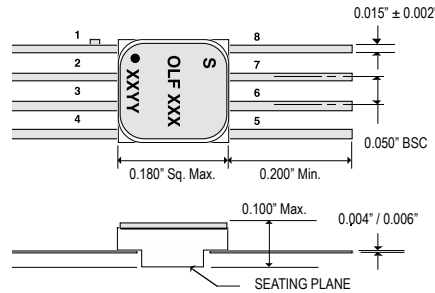


Fig. 5 Hermetic 8-pin Ceramic Flat Package

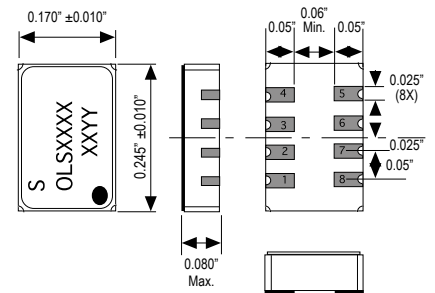


Fig. 6 Hermetic 4-pin Ceramic LCC Package

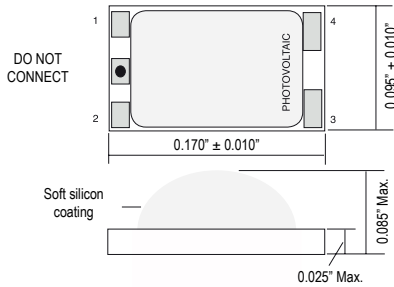


Fig. 7 4-Lead Ceramic Chip Carrier for Hybrid Assembly

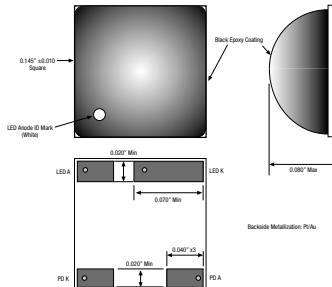


Fig. 8 4-Lead Surface Mounted Ceramic Chip Carrier

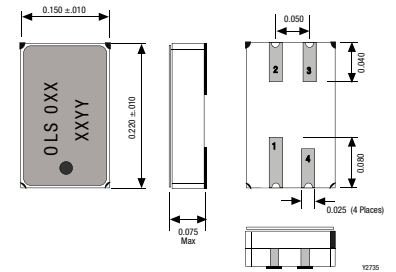


Fig. 9 Hermetic 4-pin Ceramic LCC Package

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.