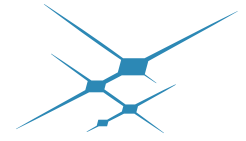


Skyworks Solutions, through its wholly-owned subsidiary Isolink, provides upscreened and hermetically sealed high-reliability optocouplers, RF diodes and RFICs including multi-chip modules (MCM) for aerospace, defense, medical, extreme industrial and high-reliability markets and applications.



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								
				High-speed Optocouplers	OLI300 ¹	CTR @ $I_f = 10$ mA			15	-	-	18	-	1500	1			
OLS300 ¹	20		1500		2													
OLH300 ¹	20		1000		3													
Wideband Analog Optocouplers	OLF300 ¹		CTR @ $I_f = 16$ mA		9		-	-	-				6	1000	5			
	OLF300ET				5								6	1000				
Dual Channel	OLI303		CTR @ $I_f = 5$ mA		20		80	-	-				-	BW > 150 kHz	1500	1		
	OLI400 ¹				CTR @ $I_f = 0.5 / 5$ mA		300 / 200							-	-	20	100	1500
Low Input Current Photodarlington Optocouplers	OLS400 ¹		1000					2										
	OLF400 ¹		1000					5										
	OLH400 ¹		1000					3										
	OLH5700 ¹ / 1 ¹	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									1000	2						
		OLF500									1000	5						
		OLH500									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							1500	2								
		OLH6000 / 1							1500	4								
	Linear Optocouplers	OLS700	Transfer Gain, K1/K2	0.75	1.25	-	-	-	1000	2								
		OLH7000							1000	4								
	Photovoltaic Optocouplers	OLI910	I_{SC} @ $I_f = 10$ mA	-7 μ A	-	-	-	-	1500	7								
		OLS910							1500	2								
		OLH910							1500	4								
		OLI920							2500	8								

1. Radiation tolerant. 2. No base connection.

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Package Outline Drawings

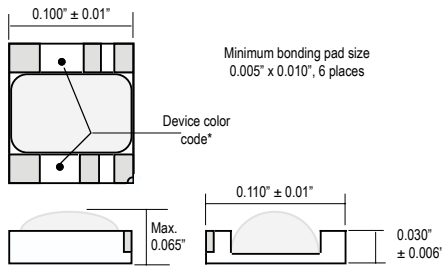


Fig. 16-Lead Ceramic Chip Carrier for Hybrid Assembly

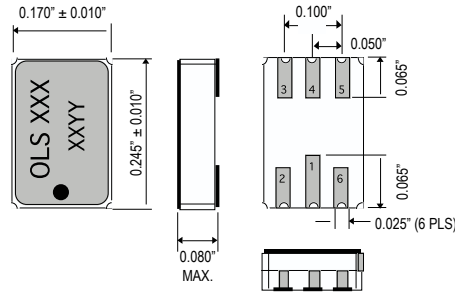


Fig. 2 Hermetic 6-pin Ceramic LCC Package

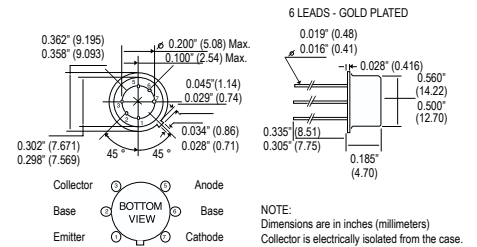


Fig. 3 Hermetic 6-pin to -5 Package

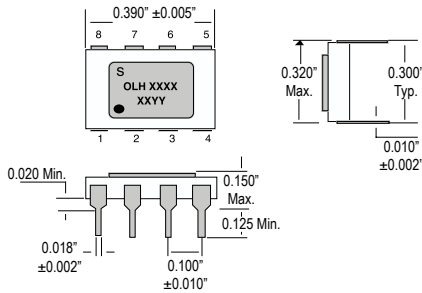


Fig. 4 Hermetic 8-pin DIP

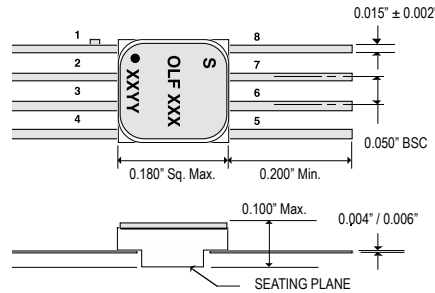


Fig. 5 Hermetic 8-pin Ceramic Flat Package

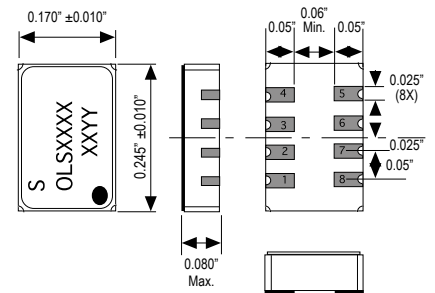


Fig. 6 Hermetic 4-pin Ceramic LCC Package

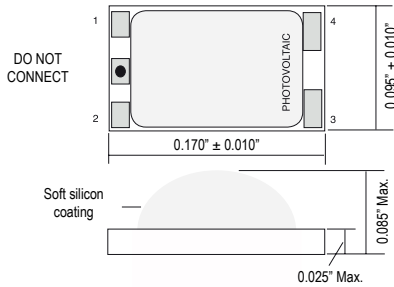


Fig. 7 4-Lead Ceramic Chip Carrier for Hybrid Assembly

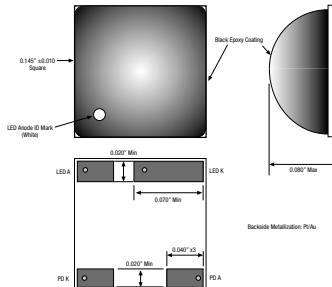


Fig. 8 4-Lead Surface Mounted Ceramic Chip Carrier

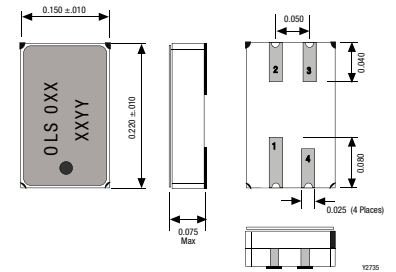


Fig. 9 Hermetic 4-pin Ceramic LCC Package

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.