

1770-3687

MIL-DTL-83513 Type Micro-D Hermetic Connectors

Panel Mount O-ring Seal, Socket-Socket, Bulkhead Feed-thru



Micro-D
Hermetic



O-Ring Mounting eliminates the cost of soldering the connector to a bulkhead.

Kovar® Shells and Contacts comply with applicable MIL-DTL-83513 requirements and are 100% intermateable with standard connectors.

HOW TO ORDER

Series	Layout Number of Contacts	O-Ring Material
1770-3687	-9	C (****) = Conductive Elastomer
Micro-D Hermetic	-15	E = EPDM (Ethylene-Propylene)
Socket Shell, Size	-21	V = Viton
9-100, Rear Panel Mount	-25	N = Nitrile (Buna-N)
	-31	S = Silicone (ZZ-R-765)
	-37	B = Butyl Rubber (IIR)
	-51	K = Kalrez (FFKM)
	-51-2	
	-67	
	-69	
	-100	
Sample Part Number		
1770-3687	-100	E

CONDUCTIVE O-RING MATERIAL OPTIONS

Number	Material	Eqp't Shield Req't (TYP)
C1224	Silver in silicone	> 120 dB
C1221	Silver in fluoro-silicone	> 120 dB
C6502	Nickel-plated aluminum in silicone	> 100 dB
C6503	Nickel-plated aluminum in fluoro-silicone	> 100 dB
C1285	Silver-plated aluminum in silicone	90-110 dB
C1287	Silver-plated aluminum in fluoro-silicone	90-110 dB
C1215	Silver-plated copper in silicone	105-120 dB
C1217	Silver-plated copper in fluoro-silicone	105-120 dB
C1298*	Silver-plated aluminum in fluoro-silicone	90-110 dB

All numbers are cho-seal compounds
Consult factory for other options

* = Standard o-ring supplied for most aircraft & marine military applications

DIMENSIONS

Layout	A	B	C	D	E	F	O-ring Size
	±.015 (0.38)	±.015 (0.38)	±.010 (0.25)	±.010 (0.25)	±.005 (0.13)	±.005 (0.13)	
9	1.945 (49.40)	.860 (21.84)	1.670 (42.42)	.585 (14.86)	.900 (22.86)	.355 (9.02)	2-119
15	2.035 (51.69)	.860 (21.84)	1.760 (44.70)	.585 (14.86)	1.025 (26.03)	.355 (9.02)	2-120
21	2.235 (56.77)	.860 (21.84)	1.960 (49.78)	.585 (14.86)	1.190 (30.23)	.355 (9.02)	2-122
25	2.340 (59.44)	.860 (21.84)	2.065 (52.45)	.585 (14.86)	1.295 (32.89)	.355 (9.02)	2-123
31	2.425 (61.59)	.860 (21.84)	2.150 (54.61)	.585 (14.86)	1.380 (35.05)	.355 (9.02)	2-124
37	2.635 (66.93)	.860 (21.84)	2.360 (59.94)	.585 (14.86)	1.590 (40.39)	.355 (9.02)	2-126
51	2.550 (64.77)	.945 (24.00)	2.275 (57.79)	.670 (17.02)	1.505 (38.23)	.440 (11.18)	2-126
51-2	2.935 (74.55)	.860 (21.84)	2.660 (67.56)	.585 (14.86)	1.895 (48.13)	.355 (9.02)	2-129
67	3.340 (84.84)	.860 (21.84)	3.060 (77.72)	.585 (14.86)	2.365 (60.07)	.355 (9.02)	2-135
69	2.850 (72.39)	.945 (24.00)	2.575 (65.41)	.670 (17.02)	1.805 (45.85)	.440 (11.18)	2-129
100	3.180 (80.77)	.945 (24.00)	2.910 (73.91)	.670 (17.02)	2.215 (56.26)	.440 (11.18)	2-132

