

Product / Package Information

Package	Sidebrazed
Body Size (mm)	
Lead Count	8
Terminal Finish	Au

Environmental Information

RoHS Compliant	Yes- with exemption
High Temperature Compliant	N/A
Halogen Free Compliant	Yes
REACH SVHC Compliant	Yes

Materials Declaration

Combo Lid

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other Ferrous alloys	Kovar		1.63E-01	92.0	920000	11.10	110996
Nickel & its alloys	Nickel	7440-02-0	7.08E-03	4.00	40000	0.48	4826
Precious metals	Gold	7440-57-5	7.08E-03	4.00	40000	0.48	4826
Subtotal			1.77E-01	100.00	1000000	12.06	120647

Lid Frame

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Precious metals	Gold	7440-57-5	1.19 E-02	79.58	795800	0.81	8137
Tin & its alloys	Tin	7440-51-5	3.06 E-03	20.42	204200	0.21	2088
Subtotal			1.50E-02	100.00	1000000	1.02	10224

Ceramic Package

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Ceramics							
Ceramics	Aluminum oxide	1344-26-1	7.57 E-01	90.50	905000	51.57	515703
Ceramics	Chromium oxide	1308-38-9	3.26 E-02	3.90	39000	2.22	22224
Ceramics	Silicon Dioxide	14808-60-7	2.93 E-02	3.50	35000	1.99	19944
Ceramics	Titanium dioxide	13463-67-7	8.36 E-03	1.00	10000	0.57	5698
Ceramics	Calcium oxide	1305-78-8	5.02 E-03	0.60	6000	0.34	3419
Ceramics	Magnesium oxide	1309-48-4	4.18 E-03	0.50	5000	0.28	2849
Subtotal			8.36 E-01	100.00	1000000	56.98	569838
Metalization							
Other inorganic materials	Tungsten	7440-33-7	4.83 E-02	96.61	966100	3.29	32926
Other inorganic materials	Molybdenum	7439-98-7	1.70 E-03	3.39	33900	0.12	1155
Subtotal			5.00 E-02	100.00	1000000	3.41	34081
Leads							
Subtotal	Kovar		2.60 E-01	100.00	1000000	17.72	177222
Ag-Cu Base Metal							
Precious metals	Silver	7440-22-4	8.50 E-03	85.0	850000	0.58	5794
Copper & its alloys	Copper	7440-50-8	1.50 E-02	15.0	150000	0.10	1022
Subtotal			1.00 E-02	100.00	1000000	0.68	6816
Nickel Plating (1st coating)							
Nickel & its alloys	Nickel	7440-02-0	9.39 E-03	93.9	938900	0.64	6400
Nickel & its alloys	Palladium	7440-05-3	5.36 E-04	5.4	53600	0.04	365
Nickel & its alloys	Boron	7440-42-8	7.00 E-05	0.7	7000	0.0048	48
Nickel & its alloys	Lead	7439-92-1	5.00 E-06	0.1	500	0.0003	3
Subtotal			1.00 E-02	100.00	1000000	0.68	6816
Nickel Plating (2nd coating)							
Nickel & its alloys	Nickel	7440-02-0	9.20 E-03	92.00	920000	0.63	6271
Other inorganic materials	Cobalt	7440-48-4	8.00 E-04	8.00	80000	0.05	545
Subtotal			1.00 E-02	100.00	1000000	0.68	6816
Subtotal			1.18 E+00			80.16	801590

External Leadframe Plating

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Precious metals	Gold	7440-57-5	1.00 E-02	100.00	1000000	0.68	6816

Bond Wires

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other inorganic materials	Aluminum	7429-90-5	1.20 E-03	100.00	1000000	0.08	818

Chip

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other inorganic materials	Doped Silicon	7440-21-3	1.30 E-02	100.00	1000000	0.89	8861

Die Attach

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Silver	7440-22-4	5.92 E-02	80.00	800000	4.04	40352
Polymer	Cyanate ester resin	Proprietary	1.48 E-02	20.00	200000	1.01	10088
Subtotal			7.40 E-02	100.00	1000000	5.04	50440

Seal Glass

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Ceramics/Glass	Lead borosilicate glass	65997-17-3	7.74 E-04	87.5	875000	0.05	528
Ceramics/Glass	Aluminosilicate glass	65997-17-3	1.11 E-04	12.5	125000	0.01	75
Subtotal			8.85 E-04			0.06	603

Package Totals			Weight (g)	1.47 E+00		Percentage (%)	100.00	PPM	1000000
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Note: The information provided in this declaration are true to the best of ADI's knowledge. ADI derived most of the information listed in this declaration from documents provided by third parties, and assumes no liability to any inaccuracy of such information.



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