

Materials Declaration

Package	CerDIP
Body Size	300 mils
Lead Count	14
Option	SnPb

Base			
Item	% of Base	Weight (g)	PPM
Ceramics			
Al2O3	67.37	7.90 E-01	340524
MnO2	2.56	3.00 E-02	12936
SiO2	2.19	2.57 E-02	11082
TiO2	1.37	1.60 E-02	6899
Cr2O3	1.09	1.28 E-02	5519
Fe2O3	0.82	9.63 E-03	4153
MgO	0.40	4.68 E-03	2018
Co3O4	0.20	2.34 E-03	1009
CaO	0.03	3.50 E-04	151
Subtotal		8.91 E-01	
Sealing Glass			
PbO	14.47	1.70 E-01	73133
SnO2	3.79	4.44 E-02	19146
SiO2	1.70	1.99 E-02	8577
B2O3	1.40	1.64 E-02	7063
Al2O3	1.00	1.17 E-02	5045
TiO2	0.80	9.36 E-03	4036
MgO	0.50	5.85 E-03	2523
ZnO	0.20	2.30 E-03	992
CaO	0.05	5.85 E-04	252
Cr2O3	0.03	3.50 E-04	151
Fe2O3	0.03	3.50 E-04	151
MnO2	0.01	1.17 E-04	50
Na2O	0.002	2.34 E-05	10
Subtotal		2.81 E-01	
Total		1.17 E+00	

Caps			
Item	% of Caps	Weight (g)	PPM
Ceramics			
Al2O3	62.62	5.51 E-01	237595
MnO2	2.39	2.10 E-02	9055
SiO2	2.05	1.80 E-02	7762
TiO2	1.25	1.10 E-02	4743
Cr2O3	1.00	8.80 E-03	3795
Fe2O3	0.80	7.00 E-03	3018
MgO	0.40	3.50 E-03	1509
Co3O4	0.20	1.76 E-03	759
CaO	0.03	3.00 E-04	129
Subtotal		6.22 E-01	
Sealing glass			
PbO	17.90	1.58 E-01	67915
SnO2	4.55	4.00 E-02	17248
SiO2	2.19	1.93 E-02	8322
B2O3	1.70	1.50 E-02	6468
Al2O3	1.25	1.10 E-02	4743
MgO	0.69	6.10 E-03	2630
CaO	0.69	6.10 E-03	2630
ZnO	0.20	1.80 E-03	776
Cr2O3	0.04	3.50 E-04	151
Fe2O3	0.04	3.50 E-04	151
MnO2	0.01	8.80 E-05	38
Subtotal		2.58 E-01	
Total		8.80 E-01	

Leadframe			
Item	% of Leadframe	Weight (g)	PPM
Fe	55.65	1.34 E-01	57954
Nickel	38.93	9.40 E-02	40533
Mn	4.97	1.20 E-02	5174
Co	0.29	6.90 E-04	298
Si	0.12	3.00 E-04	129
Cr	0.01	2.30 E-05	10
Al	0.02	5.00 E-05	22
S	0.01	1.38 E-05	6
C	0.003	7.00 E-06	3
P	0.002	5.00 E-06	2
Subtotal		2.41 E-01	

Paste			
Item	% of Paste	Weight (g)	PPM
Silver	80.0	4.00 E-03	1725
Lead Borate glass	20.0	1.00 E-03	431
Subtotal		5.00 E-03	

Chip			
Item	% of Wire	Weight (g)	PPM
Si	100.0	5.00 E-04	216

Bonding Wires			
Item	% of Wire	Weight (g)	PPM
Aluminum	100.0	3.00 E-05	13

Solder			
Item	% of Solder	Weight (g)	PPM
Tin	63.0	1.26 E-02	5433
Lead	37.0	7.40 E-03	3191
Subtotal		2.00 E-02	

Package Totals	
Weight (g)	PPM
2.32 E+00	1000000

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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