

Materials Declaration

Package	Cerdip
Body Size	300 mils
Lead Count	20
Option	SnPb

Base			
Item	% of Base	Weight (g)	PPM
Ceramics			
Al2O3	67.5	1.01 E+00	351807
MnO2	2.5	3.71 E-02	12874
SiO2	2.2	3.30 E-02	11466
TiO2	1.4	2.09 E-02	7245
Cr2O3	1.1	1.65 E-02	5733
Fe2O3	0.9	1.34 E-02	4639
MgO	0.4	5.40 E-03	1876
Co3O4	0.2	3.00 E-03	1042
CaO	0.0	4.50 E-04	156
Sealing Glass			
PbO	14.5	2.17 E-01	75469
SnO2	3.8	5.67 E-02	19701
SiO2	1.7	2.52 E-02	8756
B2O3	1.4	2.06 E-02	7161
Al2O3	1.0	1.50 E-02	5212
TiO2	0.7	1.12 E-02	3899
MgO	0.5	7.35 E-03	2554
ZnO	0.2	3.00 E-03	1042
CaO	0.046	6.90 E-04	240
Cr2O3	0.028	4.20 E-04	146
Fe2O3	0.028	4.20 E-04	146
MnO2	0.010	1.50 E-04	52
Na2O	0.002	3.00 E-05	10
Subtotal		1.50 E+00	521195

Caps			
Item	% of Caps	Weight (g)	PPM
Ceramics			
Al2O3	62.6	6.26 E-01	217512
MnO2	2.4	2.40 E-02	8339
SiO2	2	2.00 E-02	6949
TiO2	1.3	1.30 E-02	4517
Cr2O3	1	1.00 E-02	3475
Fe2O3	0.79	7.90 E-03	2745
MgO	0.4	4.00 E-03	1390
Co3O4	0.2	2.00 E-03	695
CaO	0.03	3.00 E-04	104
Sealing glass			
PbO	17.89	1.79 E-01	62161
SnO2	4.6	4.60 E-02	15883
SiO2	2.2	2.20 E-02	7644
B2O3	1.7	1.70 E-02	5907
Al2O3	1.2	1.20 E-02	4170
MgO	0.7	7.00 E-03	2432
CaO	0.7	7.00 E-03	2432
ZnO	0.2	2.00 E-03	695
Cr2O3	0.04	4.00 E-04	139
Fe2O3	0.04	4.00 E-04	139
MnO2	0.01	1.00 E-04	35
Subtotal		1.00 E+00	347464

Leadframe			
Item	% of Leadframe	Weight (g)	PPM
Fe	58.45	1.75 E-01	60928
Nickel	40.84	1.23 E-01	42571
Mn	0.52	1.56 E-03	542
Si	0.13	3.90 E-04	136
Co	0.03	9.00 E-05	31
Cr	0.01	3.00 E-05	10
Al	0.01	3.00 E-05	10
S	0.01	1.80 E-05	6
C	0.003	9.00 E-06	3
P	0.002	6.00 E-06	2
Subtotal		3.00 E-01	104239

Paste			
Item	% of Paste	Weight (g)	PPM
Silver	80	1.60 E-02	5559
Lead Borate glass	20	4.00 E-03	1390
Subtotal		2.00 E-02	6949

Chip			
Item	% of Wire	Weight (g)	PPM
Si	100	8.00 E-03	2780

Bonding Wires			
Item	% of Wire	Weight (g)	PPM
Aluminum	100	2.00 E-02	6949

Solder			
Item	% of Solder	Weight (g)	PPM
Tin	63	1.89 E-02	6567
Lead	37	1.11 E-02	3857
Subtotal		3.00 E-02	10424

Package Totals	
Weight (g)	PPM
2.88 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.

