

Materials Declaration

Package	CerDIP
Body Size	300 mils
Lead Count	8
Option	SnPb

Base			
Item	% of Base	Weight (g)	PPM
Ceramics			
Al2O3	62.11	2.03 E-01	203592
MnO2	2.38	7.80 E-03	7807
SiO2	2.02	6.60 E-03	6606
TiO2	1.28	4.20 E-03	4204
Cr2O3	1.01	3.30 E-03	3303
Fe2O3	0.82	2.70 E-03	2703
MgO	0.37	1.20 E-03	1201
CaO	0.03	9.00 E-05	90
Co3O4	0.18	6.00 E-04	601
Subtotal		2.30 E-01	230106
Sealing Glass			
PbO	13.28	4.35 E-02	43541
SnO2	3.48	1.14 E-02	11411
SiO2	1.56	5.10 E-03	5105
B2O3	8.12	2.66 E-02	26625
Al2O3	0.92	3.00 E-03	3003
TiO2	1.28	4.20 E-03	4204
MgO	0.46	1.50 E-03	1501
ZnO	0.18	6.00 E-04	601
CaO	0.46	1.50 E-03	1501
Cr2O3	0.03	9.00 E-05	90
Fe2O3	0.03	9.00 E-05	90
MnO2	0.009	3.00 E-05	30
Na2O	0.002	6.00 E-06	6
Subtotal		9.76 E-02	97708
Total		3.28 E-01	327814

Caps			
Item	% of Caps	Weight (g)	PPM
Ceramics			
Al2O3	62.59	3.13 E-01	313295
MnO2	2.40	1.20 E-02	12011
SiO2	2.00	1.00 E-02	10009
TiO2	1.30	6.50 E-03	6506
Cr2O3	1.00	5.00 E-03	5005
Fe2O3	0.80	4.00 E-03	4004
Co3O4	0.20	1.00 E-03	1001
MgO	0.40	2.00 E-03	2002
CaO	0.03	1.50 E-04	150
Subtotal		3.54 E-01	353983
Sealing glass			
PbO	17.90	8.95 E-02	89584
SnO2	4.60	2.30 E-02	23022
SiO2	2.20	1.10 E-02	11010
B2O3	1.70	8.50 E-03	8508
Al2O3	1.20	6.00 E-03	6006
MgO	0.70	3.50 E-03	3503
CaO	0.70	3.50 E-03	3503
ZnO	0.20	1.00 E-03	1001
Cr2O3	0.04	2.00 E-04	200
Fe2O3	0.04	2.00 E-04	200
MnO2	0.01	5.00 E-05	50
Subtotal		1.46 E-01	146588
Total		5.00 E-01	500571

Leadframe			
Item	% of Leadframe	Weight (g)	PPM
Fe	58.405	7.00 E-02	70066
Nickel	40.883	4.90 E-02	49046
Mn	0.521	6.24 E-04	625
Si	0.130	1.56 E-04	156
Co	0.030	3.60 E-05	36
Cr	0.010	1.20 E-05	12
Al	0.010	1.20 E-05	12
S	0.006	7.20 E-06	7
C	0.003	3.60 E-06	4
P	0.002	2.40 E-06	2
Subtotal		1.20 E-01	119966

Paste			
Item	% of Paste	Weight (g)	PPM
Silver	80	8.00 E-03	8008
Lead Borate glass	20	2.00 E-03	2002
Subtotal		1.00 E-02	10009

Chip			
Item	% of Chip	Weight (g)	PPM
Si	100	6.00 E-04	601

Bonding Wires			
Item	% of Wire	Weight (g)	PPM
Aluminum	100	1.00 E-03	1001

Solder			
Item	% of Solder	Weight (g)	PPM
Tin	63	2.52 E-02	25224
Lead	37	1.48 E-02	14814
Subtotal		4.00 E-02	40038

Package Totals	
Weight (g)	PPM
9.99 E-01	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.

