

Materials Declaration

Package	CerDIP
Body Size	300 mils
Lead Count	18L
Option	SnPb

Base			
Item	% of Base	Weight (g)	PPM
Ceramics			
Al2O3	67.500	9.32 E-01	358097
MnO2	2.600	3.58 E-02	13763
SiO2	2.200	3.00 E-02	11533
TiO2	1.400	1.90 E-02	7304
Cr2O3	1.100	1.50 E-02	5766
Fe2O3	0.900	1.20 E-02	4613
MgO	0.400	5.50 E-03	2114
Co3O4	0.200	2.76 E-03	1061
CaO	0.030	4.14 E-04	159
Sealing Glass			
PbO	14.500	2.00 E-01	76924
SnO2	3.800	5.20 E-02	19990
SiO2	1.700	2.30 E-02	8842
B2O3	1.400	1.90 E-02	7304
Al2O3	1.000	1.38 E-02	5305
TiO2	0.800	1.10 E-02	4229
MgO	0.500	6.90 E-03	2653
ZnO	0.200	2.76 E-03	1061
CaO	0.050	6.90 E-04	265
Cr2O3	0.030	4.10 E-04	158
Fe2O3	0.030	4.14 E-04	159
MnO2	0.010	1.38 E-04	53
Na2O	0.002	2.76 E-05	11

Caps			
Item	% of Caps	Weight (g)	PPM
Ceramics			
Al2O3	62.6	5.82 E-01	223738
MnO2	2.4	2.20 E-02	8457
SiO2	2	1.86 E-02	7150
TiO2	1.3	1.21 E-02	4652
Cr2O3	1	9.30 E-03	3575
Fe2O3	0.8	7.44 E-03	2860
MgO	0.4	3.72 E-03	1430
Co3O4	0.2	1.86 E-03	715
CaO	0.03	2.79 E-04	107
Sealing glass			
PbO	17.9	1.66 E-01	63996
SnO2	4.6	4.28 E-02	16446
SiO2	2.2	2.05 E-02	7865
B2O3	1.7	1.58 E-02	6074
Al2O3	1.2	1.10 E-02	4229
MgO	0.7	6.50 E-03	2499
CaO	0.7	6.50 E-03	2499
ZnO	0.2	1.86 E-03	715
Cr2O3	0.04	3.70 E-04	142
Fe2O3	0.04	3.70 E-04	142
MnO2	0.01	9.30 E-05	36

Leadframe			
Item	% of Leadframe	Weight (g)	PPM
Fe	58.450	1.29 E-01	49434
Nickel	40.840	8.98 E-02	34522
Mn	0.520	1.14 E-03	438
Si	0.130	2.88 E-04	110
Co	0.030	6.60 E-05	25
Cr	0.010	2.20 E-05	8
Al	0.010	5.00 E-05	19
S	0.006	1.32 E-05	5
C	0.003	6.60 E-06	3
P	0.002	4.40 E-06	2

Paste			
Item	% of Paste	Weight (g)	PPM
Silver	80.0	7.28 E-03	2799
Lead Borate glass	20.0	4.80 E-04	185

Chip			
Item	% of Wire	Weight (g)	PPM
Si	100.0	1.20 E-02	4613

Bonding Wires			
Item	% of Wire	Weight (g)	PPM
Aluminum	100.0	1.00 E-02	3844

Solder			
Item	% of Solder	Weight (g)	PPM
Tin	63.0	2.50 E-02	9611
Lead	37.0	1.48 E-02	5690

Package Totals	
Weight (g)	PPM
2.60 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.

