

# Fair-Rite P/N 2508053017Z0

## Z Chip Bead Material Grade

## Nominal Chemical Composition

<u>Ferrite -Compound</u>	<u>CAS Number</u>	<u>wt %</u>	Wt of core (g)= <b>0.008</b>	Compound Weight (g) Breakdown of Z Chip Bead Material Grade
Fe2O3	1309-37-1	64	0.00512	
ZnO	1314-13-2	15	0.00120	
NiO	1313-99-1	13	0.00104	
CuO	1317-38-0	5	0.00040	
CoO	1307-96-6	2	0.00016	
MnO	1344-43-0	1	0.00008	

<u>Termination Plating - Elements</u>	<u>CAS Number</u>	<u>wt %</u>	Wt of termination (g)= <b>0.002</b>	Element Weight (g) Breakdown of Pb- Free Termination Plating
Sn	7440-31-5	14.3	0.00029	
Ni	7440-02-0	6.9	0.00014	
Ag	7440-22-4	78.8	0.00158	

Supporting notes:

- P/N 2508053017Z0 consists of:
  - Z Chip Bead Material Grade
  - Termination Plating SnNiAg
- Moisture Sensitivity Level (MSL)= 1
- Max Reflow Temp= 260 degC
- Max Time at Max Reflow Temp= 40 sec
- RoHS 6/6 Compliant Terminations/ Wire are backwards compatible with standard Soldering Processes
- RoHS Conversion Date= 1/1/2005
- RoHS Compliance Marking is Contained on Shipping Labels

## Calculated Maximum Levels of RoHS Restricted Substances Present in Z Chip Bead Material Grade

<u>Impurity Substance</u>	<u>RoHS Threshold (ppm):</u>	<u>ppm</u>	Wt of core (g)= <b>0.008</b>	RoHS Impurity Substance Weight (g) Breakdown of Z Chip Bead Material Grade
Cr+6	1000	0.00	0	
Cd	100	0.00	0	
Hg	1000	0.00	0	
Pb	1000	0.00	0	
PBB	1000	0.00	0	
PBDE	1000	0.00	0	