

# Fair-Rite P/N 2518121217Y3

## Y Chip Bead Material Grade

## Nominal Chemical Composition

Supporting notes:

1. P/N 2518121217Y3 consists of:
  - a core Y Chip Bead Material Grade
  - b Termination Plating SnNiAg
2. Moisture Sensitivity Level (MSL)= 1
3. Max Reflow Temp= 260 degC
4. Max Time at Max Reflow Temp= 40 sec
5. RoHS 6/6 Compliant Terminations/ Wire are backwards compatible with standard Soldering Processes
6. RoHS Conversion Date= 1/1/2005
7. RoHS Compliance Marking is Contained on Shipping Labels

<u>Ferrite -Compound</u>	<u>CAS Number</u>	<u>wt %</u>	Wt of core (g)=	
			<b>0.072</b>	
Fe2O3	1309-37-1	65	0.0468	Compound Weight (g) Breakdown of Y Chip Bead Material Grade
ZnO	1314-13-2	17	0.0122	
NiO	1313-99-1	9	0.0065	
CuO	1317-38-0	6	0.0043	
MnO	1344-43-0	3	0.0022	

<u>Termination Plating - Elements</u>	<u>CAS Number</u>	<u>wt %</u>	Wt of termination (g)=	
			<b>0.018</b>	
Sn	7440-31-5	14.3	0.00257	Element Weight (g) Breakdown of Pb- Free Termination Plating
Ni	7440-02-0	6.9	0.00124	
Ag	7440-22-4	78.8	0.01418	

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

<u>Impurity Substance</u>	<u>RoHS Threshold (ppm):</u>	<u>ppm</u>	Wt of core (g)=	
			<b>0.072</b>	
Cr+6	1000	0.00	0	RoHS Impurity Substance Weight (g) Breakdown of Y Chip Bead Material Grade
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	