

Material Analysis of Trans-Tech Coax Resonator Materials



TTI Ceramic Materials

Max Allowable Material	Composition	RoHS Elements & Max Allowable Levels (PPM)					
		1000	1000	1000	1000	1000	1000
		Hg	Pb	Cd	Cr (Total)	PBB	PBDE
D9000	Barium Neodymium Titanate (BaO XNd ₂ O ₃ YBi ₂ O ₃ ZTiO ₂)	<1	1	<1	8	NA	NA
D8800	Barium NonaTitanate (Ba ₂ Ti ₉ O ₂₀)	<1	3.3	<1	13	NA	NA
D2000	Magnesium Calcium Titanate (XMgTiO ₃ .YCaTiO ₃)	<1	4.7	<1	61	NA	NA
D1000	Magnesium Aluminate Spinel (MgAl ₂ O ₃)	<1	0.4	<1	54	NA	NA

Lab Analysis Report - Dirats Lab Test Report R440921 March 9, 2006

Thick Film Silver Materials

Max Allowable Material	Composition	RoHS Elements & Max Allowable Levels (PPM)					
		1000	1000	1000	1000	1000	1000
		Hg	Pb	Cd	Cr (Total)	PBB	PBDE
PC10904 (Dip Silver)	Silver Metallization	<1	310	<1	<1	NA	NA
3572HV (Spray Silver)	Silver Metallization	<1	320	<1	<1	NA	NA
3571 (Screen Print)	Silver Metallization	<1	400	<1	<1	NA	NA

Lab Analysis Report- SGS TA5-DO-P020 March 29, 2005

Solder and Tab Materials

Material	Composition	Wt%	CAS #
Solder	Sn	95%	7440-31-5
	Ag	5%	7440-22-4
Tab	C72500	96.00%	NA
	Ni Plating	2.78%	7440-02-0
	Au Plating	1.22%	7440-57-5

