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### 3. MATERIAL DECLARATION

# RoHS compliant, 100% Lead-free

3.1 Customer Part Number:

3.2 Supplier productno.:

**MCSO1**

3.3 Product name:

QUARTZ CRYSTAL OSCILLATOR

3.4 Product weight:

300mg +/-10%

3.5 Text information:

SMD CERAMIQUE UNIT

3.6 Table of material declaration:

No.	Name of the part	Material mass (mgram) +/-	Material name	Material analysis (Element)	CAS number	Material analysis (weight%)estimated	Comment
1	Resonator	10	Quartz crystal	SiO2	14808-60-7	80%	
				Cr	7440-47-3	5%	
				Au	7440-57-5	15%	
2	Housing	200	Ceramic	Al2O3	1344-28-1	90%	
				W	7440-33-7	3%	
				Ni	7440-02-0	2%	
				Au	7440-57-5	5%	
3	Lids	55	Kovar	Fe	7439-89-6	51%	
				Ni	7440-02-0	26%	
				Co	7440-48-4	15%	
				Au	7440-57-5	6%	
				Sn	7440-31-5	2%	
4	Capacities	20	ceramic	Al2O3	1344-28-1	85%	
				Ni	7440-02-0	5%	
				Ag	7440-22-4	5%	
				Pa	7440-05-3	5%	
5	Intearated circuit	10	Silicium	Si	7440-21-3	69%	
				Al	7429-90-5	1%	
				Au	7440-57-5	30%	
6	Epoxy attach	5	Silver filled Epoxy	EP	129915-35-1	30%	
				Ag	7440-22-4	70%	

No content:

Cadmium  
 Hexavalent chromium  
 Mercury

Navet J-M 10 september 2005