



MICRO CRYSTAL

3. MATERIAL DECLARATION

RoHS compliant

3.1 Customer Part Number:

3.2 Supplier product: OCXO

3.3 Product name: OVENIZE QUARTZ CRYSTAL OSCILLATOR

3.4 Product weight: 5g +/-10%

3.5 Text information: DIL 14 4 pins

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	Comments
1	Resonator	10	Quartz crystal	SiO2	14808-60-7	80%	
				Cr	7440-47-3	5%	
				Au	7440-57-5	15%	
2	Housing resonat	125	Ceramic	Al2O3	1344-28-1	90%	
				W	7440-33-7	3%	
				Ni	7440-02-0	2%	
				Au	7440-57-5	5%	
3	Quartz Lids	75	Metal cap	Fe	7439-89-6	51%	
				Ni	7440-02-0	26%	
				Sn	7440-31-5	15%	
				Co	7440-48-4	6%	
				Au	7440-57-5	2%	
4	Resistors	60	Ceramic chip	Al2O3	1344-28-1	90%	
				Ni	7440-02-0	1%	
				Sn	7440-31-5	8%	
				Cu	7440-50-8	1%	
5	Solder joint	50	Solder	Sn	1344-28-1	97%	
				Cu	7440-50-8	1%	
				Ag	7440-22-4	2%	
6	PCB	780	Epoxy			80%	
				Ni	7440-02-0	3%	
				Cu	7440-50-8	14%	
				Au	7440-57-5	3%	
7	Die	120	Integrated circuit	SiO2	60676-86-0	42%	
				OCN	9003-35-	13%	
				Cu	7440-50-8	25%	
				Si	7440-21-3	3%	
				Sn	7440-31-5	13%	
				Ag	7440-22-4	2%	
				Au	7440-57-5	1%	
				Fe	7439-89-6	1%	
8	Base	2350	Metal case	Fe	7439-89-6	51%	
				Ni	7440-02-0	29%	
				Co	7440-48-4	18%	
				Sn	7440-31-5	1%	
				Pb	7439-92-1	0.02%	
				Si	7440-21-3	1%	
9	Lids	1250	Metal cap	Fe	7439-89-6	98%	
				Ni	7440-02-0	2%	
10	Capacities	120	Ceramic chip	Al2O3	1344-28-1	90%	
				Ni	7440-02-0	1%	
				Sn	7440-31-5	8%	
				Cu	7440-50-8	1%	
12	Epoxy attach	60	Silver filled Epoxy	EP	129915-35-1	30%	
				Ag	7440-22-4	70%	

S ; Mn ; P ; Sb2O2 ; Br ; Zn ; Be ; less to 0.005%
 No content: Cadmium Hexavalent chromium
 Mercury PBB PBDE

Navet J-M10 september 200