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ISO 9001-2000 Registered



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Advice of compatibility to EU Directive 2002/95/EC (RoHS Legislation)

Advanced Crystal Technology advise that an independent test report and / or factory declaration, including the following data, indicating compatibility to EU Directive for product(s) within the ACT series noted below, is held for reference at the above address.

ACT Series	Ceramic Resonators Through Hole(TH) & Surface	Factory ref.	C1r
Part No. Code(s)	PREFIXED WITH ZTA OR ZTT	Date of Test	21/11/2004
Test Report No.	ZTA/ZTT TH SH431831/CHEM ZTA/ZTT SMD SH431828/CHEM		
Chemical Laboratory	SGS SHANGHAI		
Laboratory Ref. No.	SHEC0041112034-4 SHEC0041112034-1		

Test Method

With reference to method detailed below. Analysis performed by one of the following as appropriate: Inductively Coupled Argon Plasma - Atomic Emission Spectrometry (ICP-AES) , Atomic Absorption Spectrometry ,UV-VIS Spectrometric, GC/MS, HPLC/DAD, LC/MS

Test Results - unit ppm(Mg/Kg)

Element	Method/ Detection Limit(ppm)	Results		
		ZTA/ZTT TH	ZTA/ZTT SMD	
Lead (Pb)	Reference to EPA Method 3050B:1996	2	21678###	37931###
Cadmium (Cd)	Reference to BS EN 1122 2001 Meth B	2	None detected	None detected
Mercury (Hg)	Reference to EPA 3052	2	None detected	None detected
Hexavalent Chromium	Ref. to US EPA3060A and USA7196A	2	None detected	None detected
PBB's and PBBE's	Reference to US EPA 3540C/3550C	2	None detected	None detected

Lead is an inapplicability substance in the manufacture of Peizo electric ceramic and as such is exempt from the RoHS legislation

Sample Description	Through hole and SMD chip type ceramic resonators.
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Note: (the clause applicable to this test is indicated with a 'Y' in the box below)

- The sample was analysed as mixing whole part sample in one test. The results above are the average of the whole sample. The results of the individual components in the outline would obviously be different.
- The sample was analysed as a single component. The results above are an average for the whole component part.
- The outline contains glass/ceramic/high melting point solder that contains lead over and above the RoHS limit but is exempt from the legislation.

Signed on behalf of Advanced Crystal Technology

Name: D. Mullins QA and Engineering Manager

Signature:

Date: 25/01/2006