Tel : 0044 (0)118 979 1238
Fax : 0044 (0)118 979 1283
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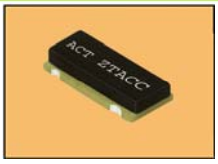
ACT ZTACC SMD Resonators

The **ACT ZTACC** family of Ceramic SMD Resonators offers a cost effective solution to those applications requiring a wide temperature range together with accuracy.

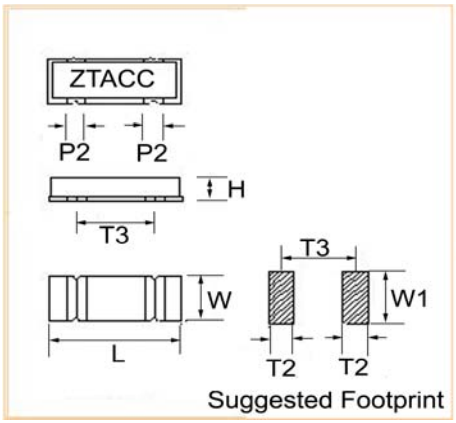
Compatible with Eu Directive 2002/95/EC - RoHS
Contains Pb in ceramic parts exempted from article 4(1) of the directive

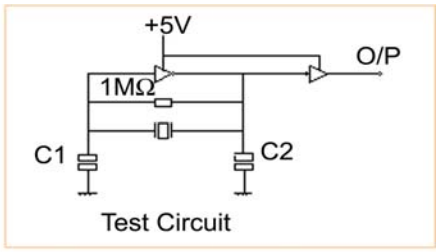


Specification

Part Type/ Number	Frequency Range MHz	Test IC	Vdd	Frequency accuracy @25°C (%)	Stability over temp. range (-20 +80°C)(%)	Aging over 10 years (%)	Internal Cap. (pF) C1 & C2
ZTACC MG	1.8 ~ 8.0	CD4069UBE x 2	+5V	±0.5	±0.3	±0.3	30 EXTERNAL

Vibration mode : Thickness Shear





Dimensions (mm) Tolerance ±0.3							
L	W	H	P1	P2	T2	T3	W1
7.4	3.4	1.8	1.2	1.2	1.7	5.0	4.0

Important note when using Ceramic resonators with IC's.

Some resonator parameters vary considerably with frequency and physical construction/size . These differences are too great to be able to be practically shown in a data sheet.
However, these parameters can be critical when the resonators are used with ICs. Even if two different resonators appear to have the same specification the typical values of these critical parameters can be considerably different. When enquiring about resonators for use with ICs, it is important to supply the make and part number of the IC to be used and/or the list of recommended resonators, if this is given.

Please note that all parameters can not necessarily be specified in the same device

Customer to specify : Frequency

ISO9001:2000 Registered

For quotations or further information please contact us at:
3 The Business Centre, Molly Millars Lane, Wokingham, Berkshire, RG41 2EY, UK
http://www.actcrystals.com

Issue :8 C1r
Date : 27/03/2008

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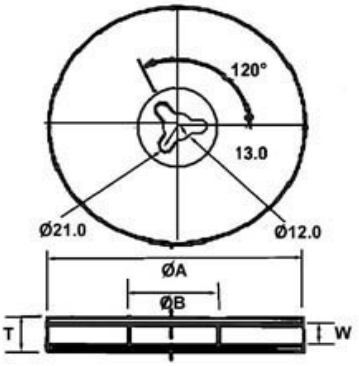
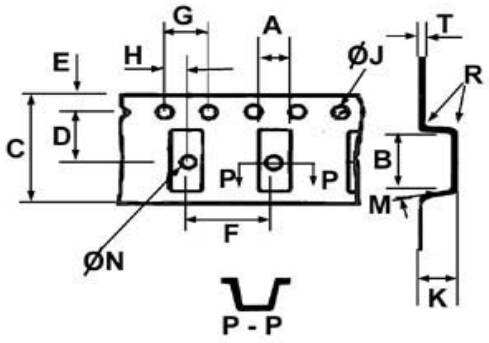
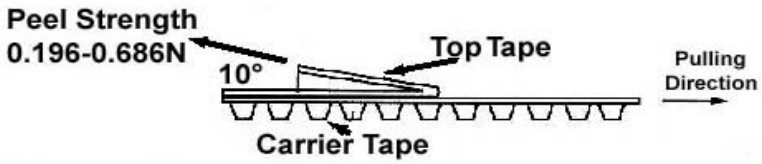
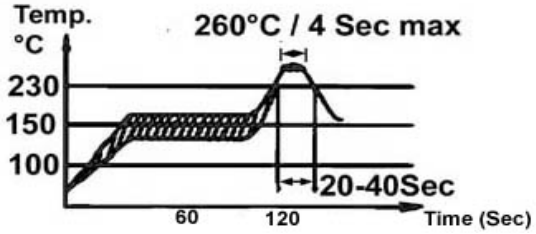
ZTACC TAPE AND REEL DIMENSIONS (mm)





	ØA	ØB	W	T	Pieces / reel	Carrier Tape (mm)
CS/CV	179±2	60typ	12.4min	19.4max	1000typ	12
	179±2	60typ	16.4min	22.4max	1000typ	16
	330±3	80min	12.4min	19.4max	4000typ	12
CC	330±3	80min	22.4min	22.4max	4000typ	16

	A ±0.2	B ±0.2	C ±0.3	D ±0.1	E ±0.1	F ±0.1	G ±0.1	H ±0.1	JØ ±0.1	NØ ±0.1	M max	R max	K ±0.2	T ±0.1
ZTACCMG ZTTCCMG	3.8	7.5	16	7.5	1.75	4	4	2	1.6	1.6	3°	0.3	2.1	0.3
ZTACSMT/MX ZTTCSMT/MX	5.0	4.4	12	6.5	1.75	4	4	2	1.6	1.6	3°	0.3	1.4	0.3
ZTACVMT/MX ZTTCVMT/MX	3.4	4.0	12	6.1	1.75	4	4	2	1.6	1.6	3°	0.3	1.3	0.3



Maximum Reflow