OSCILENT Corporation **Data Sheet**

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BACK

Product Category: Ceramic Resonator

Series Number	Package	Description	Last Modified
610 ~ 613	ZTA Ceramic	Low Profile	Jan. 07 2007

FEATURES

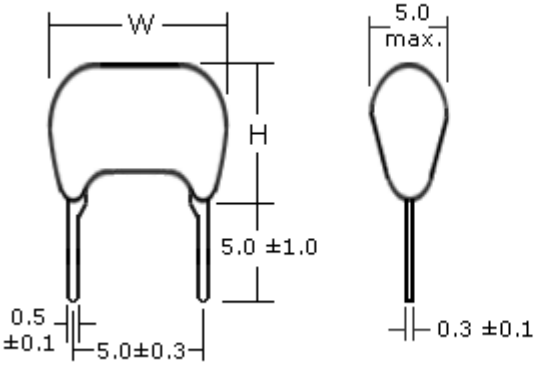
- Low profile
- Wide frequency range
- Extended temperature ceramic resonator
- High stability
- RoHS Compliant

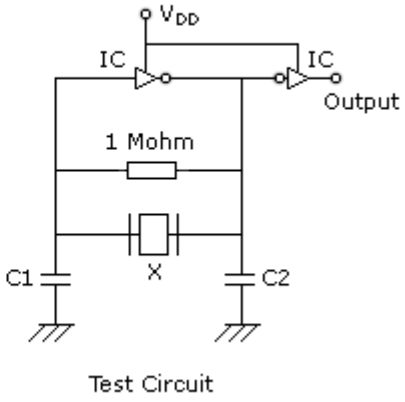


OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

Series No.	Type	Frequency Range	Frequency Accuracy	Operating Temperature	Stability in Temperature	Aging for Ten Years
		(MHz)	@25°	°C	(-20 ~ +80°C)	-
610	ZTA-MG	1.79 ~ 8.00	±0.5%	-20 ~ +80	±0.3%	±0.3%
611	ZTA-MT	6.00 ~ 13.00			±0.3%	±0.3%
612	ZTA-MX	12.00 ~ 20.00			±0.3%	±0.3%
		20.01 ~ 25.99			±0.3%	±0.3%
		26.00 ~ 60.00			±0.3%	±0.3%
613	ZTA-MGL	3.00 ~ 8.00			±0.3%	±0.3%

PACKAGE DIMENSIONS (mm)





Test Circuit

IC (MG,MT) : 1/6TC4069UBPx2
IC (MX) : 1/6TC74HCU04x2
VDD : +5V

Series No.	Type	Frequency (MHz)	Dimensions (max.)		C1 & C2 Values for Test Circuit	
			W	H	C1 (pF)	C2 (pF)
610	ZTA-MG	1.79 ~ 8.00	10.0	7.5	30	30
611	ZTA-MT	6.01 ~ 13.00	10.0	10.0	30	30
612	ZTA-MX	12.00 ~ 23.99	10.0	10.0	30	30
		24.00 ~ 31.99	10.0	7.5	15	15
		32.00 ~ 60.00	10.0	6.5	5	5

613	ZTA-MGL	3.00 ~ 8.00	10.0	5.5	30	30

PART NUMBER GUIDE

Part Number	Frequency	Frequency Accuracy (%)	Operating Temp (°C)	Packaging**
612	- 20.0M	- 03	W	- TR
610 to 613 (see table above)	e.g. -12.1M = 12.10 MHz Range =1.79 ~ 60.0 MHz	Blank* = ±0.5% -03 = ±0.3%	Blank* = **-20 ~ +80** -N = **-40 ~ +85** -W = **-40 ~ +125**	Blank* = Bulk -TT = Ammo Pack (Qty = 2K)

NOTE: Deviations on all parameters available. Please consult Oscilent for details.
DEFINITIONS: Click on the characteristic names above, for definitions of the particular characteristic.
***STANDARDS:** "Blank" part number selections, indicate standard variables for the particular characteristic.
****PACKAGING:** Click on the packaging name above for Ammo Pack specifications

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Series No.: 610 to 613