

CERAMIC RESONATOR

ZTT Series, With built-in Capacitor, DIP and CHIP Type



SCOPE

This specification relates to piezoelectric ceramic resonator to be used in a clock generating circuit for microprocessors.



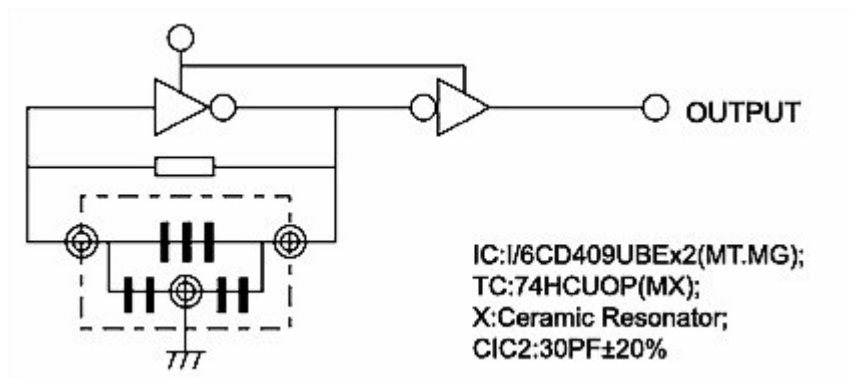
ELECTRICAL SPECIFICATIONS FOR DIP TYPE

Part Number	Frequency Range(MHz)	Frequency Accuracy(25°C)	Frequency Stability	Operating Temperature (°C)	Aging for Ten Years
ZTT...MG	1.80 -- 6.00	±0.5%	±0.3%	-20 -- +80	±0.3%
ZTT...MT	6.01 -- 13.00	±0.5%	±0.3%	-20 -- +80	±0.3%
ZTT...MX	13.01 -- 50.00	±0.5%	±0.3%	-20 -- +80	±0.3%

ELECTRICAL SPECIFICATIONS FOR CHIP TYPE

Part Number	Frequency Range(MHz)	Frequency Accuracy(25°C)	Frequency Stability	Operating Temperature (°C)	Aging for Ten Years
ZTTCC...MG	1.80 -- 8.00	±0.5%	±0.3%	-20 -- +80	±0.3%
ZTTCR...MG	4.00 -- 8.00	±0.5%	±0.3%	-20 -- +80	±0.3%
ZTTCS/CV...MT	7.00 -- 13.00	±0.5%	±0.3%	-20 -- +80	±0.3%
ZTTCS...MX	13.01 -- 50.00	±0.5%	±0.3%	-20 -- +80	±0.3%
ZTTCV...MX	16.00 -- 50.00	±0.5%	±0.3%	-20 -- +80	±0.3%
ZTTCW...MX	20.00 -- 50.00	±0.5%	±0.3%	-20 -- +80	±0.3%

TEST CIRCUIT FOR MOSIC



Great Marking (HK) Industry Co., Limited.

Add: Unit 27EF, the Sky Castle, North of Jingtian, Futian District, Shenzhen 518034 CHINA

Tel: +86-755-83056036 83056901 83056902 Fax: +86-755-83056903

E-mail: sales@greatmarking.com Url: www.greatmarking.com

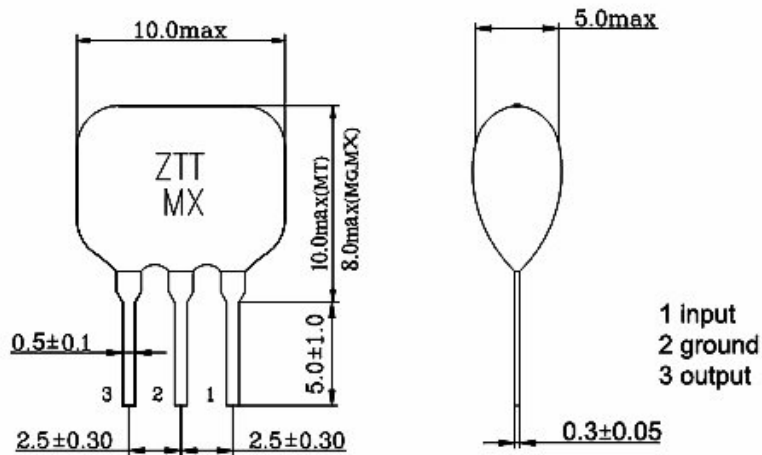
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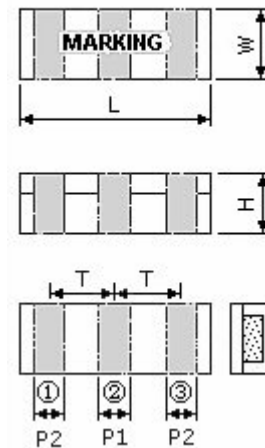


DIMENSION

ZTT...Series



CHIP TYPE



Part Number	DIMENSIONS(mm)					
	L	W	H	P1	P2	T
ZTTCC...MG	7.4 ± 0.2	3.4 ± 0.2	1.8 ± 0.2	1.2 ± 0.2	1.2 ± 0.2	2.5 ± 0.2
ZTTCR...MG	4.5 ± 0.2	2.0 ± 0.2	1.2max	0.8 ± 0.2	0.8 ± 0.2	1.5 ± 0.2
ZTTCS...MT/MX	4.7 ± 0.2	4.1 ± 0.2	$(1.2+A)\pm 0.2$	1.0 ± 0.2	0.8 ± 0.2	1.95 ± 0.2
ZTTCV...MT/MX	3.7 ± 0.2	3.1 ± 0.2	$(1.0+A)\pm 0.2$	0.9 ± 0.2	0.7 ± 0.2	1.5 ± 0.2
ZTTCW...MX	2.5 ± 0.2	2.0 ± 0.2	1.5max	0.5 ± 0.2	0.4 ± 0.2	1.0 ± 0.2

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