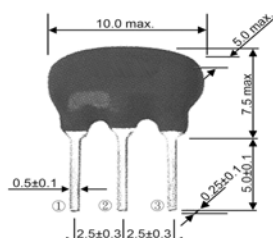


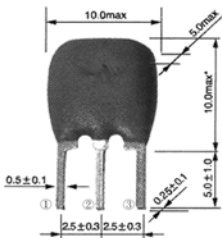
YIC Ceramic Resonator (ZTT/ZTTCC/ZTTCR/ZTTCE/ZTTCV/ZTTCW Series)

ZTT Series of Ceramic Resonator

1.80 - 50.00MHz

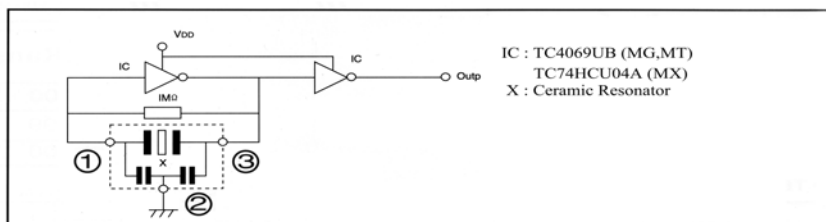


ZTTx.xxMG Series



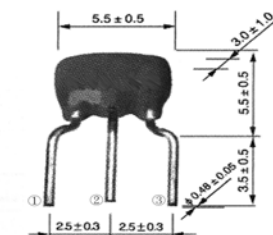
ZTTxx.xxMT Series

● TEST CIRCUIT FOR MOS IC

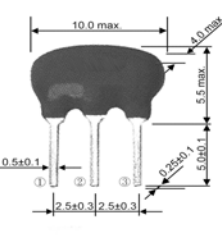


● TECHNICAL CHARACTERISTICS

Part Number	Frequency Range (MHz)	Frequency Accuracy (25°C)	Stability Temperature (-20 ~ +80°C) max.(%)	Operating Temperature (°C)	Aging For Ten Year (%)
ZTT□□MG	1.80 - 6.00	±0.5	±0.3	-25 ~ +85	±0.3
ZTT□□MT	6.00 - 13.00	±0.5	±0.3	-25 ~ +85	±0.3
ZTT□□MX	13.01 - 50.00	±0.5	±0.3	-25 ~ +85	±0.3
ZTTRS□□MG	6.00 - 12.50	±0.5	±0.3	-25 ~ +85	±0.3
ZTTRS□□MX	16.00 - 50.00	±0.5	±0.3	-25 ~ +85	±0.3
ZTWS□□MG	1.80 - 6.00	±0.5	±0.3	-25 ~ +85	±0.3



ZTTRSx.xxMG,MX Series

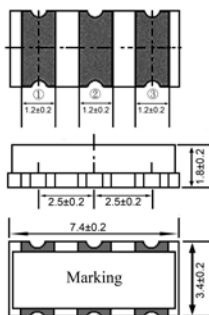


ZTWSx.xxMG Series

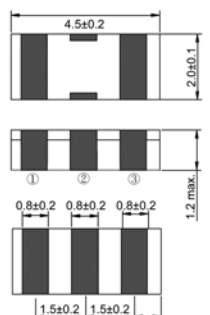
ZTT - SMD Series of Ceramic Resonator

1.80 - 50.00MHz

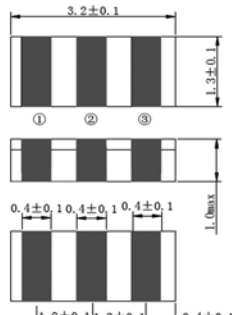
● DIMENSIONS



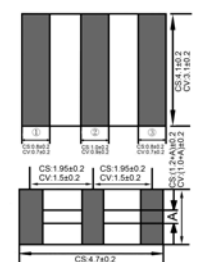
ZTTCCx.xxMG Series



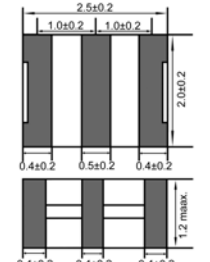
ZTTCRx.xxMG Series



ZTTCEx.xxMG Series



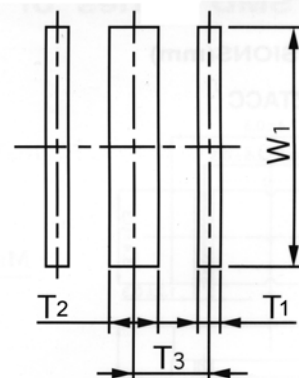
ZTTCSx.xxMT,MX Series
ZTTCVx.xxMT,MX Series



ZTTCWx.xxMX Series

- ① Input
- ② Ground
- ③ Output

● RECOMMENDED LAND PATTERN



Size Code	Dimensions (mm)			
Part Number	T1	T2	T3	W1
ZTTCC□□MG	1.5±0.3	1.7±0.3	2.5±0.3	4.0±0.3
ZTTCR□□MG	0.8±0.2	0.8±0.2	1.5±0.2	2.6±0.2
ZTTCE□□MG	0.4±0.2	0.4±0.2	1.2±0.2	2.0±0.2
ZTTCS□□MT/MX	0.8±0.2	1.3±0.2	1.95±0.2	5.1±0.2
ZTTCV□□MT/MX	0.7±0.2	1.0±0.2	1.5±0.2	4.1±0.2
ZTTCW□□MX	0.5±0.2	0.5±0.2	1.0±0.2	2.6±0.2

● TECHNICAL CHARACTERISTICS

Part Number	Frequency Range (MHz)	Frequency Accuracy (25°C)	Stability Temperature (-20 ~ +80°C) max.(%)	Operating Temperature (°C)	Aging For Ten Year (%)
ZTTCC□□MG	2.00 - 8.00	±0.5	±0.3	-25 ~ +85	±0.3
ZTTCR□□MG	4.00 - 8.00	±0.5	±0.3	-25 ~ +85	±0.3
ZTTCE□□MG	8.00 - 12.00	±0.5	±0.3	-25 ~ +85	±0.3
ZTTCS□□MT	6.00 - 13.00	±0.5	±0.3	-25 ~ +85	±0.3
ZTTCV□□MT	6.00 - 13.00	±0.5	±0.3	-25 ~ +85	±0.3
ZTTCS□□MX	13.01 - 50.00	±0.5	±0.3	-25 ~ +85	±0.3
ZTTCV□□MX	16.00 - 50.00	±0.5	±0.3	-25 ~ +85	±0.3
ZTTCW□□MX	20.00 - 50.00	±0.5	±0.3	-25 ~ +85	±0.3

Note: A stands for thickness of the ceramic element, which varies with the frequency. The range of the thickness is 0.1 to 0.7 mm.