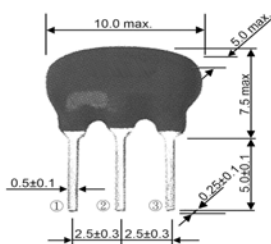


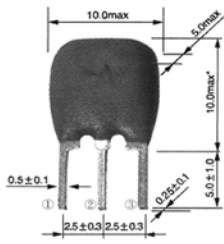
# YIC Ceramic Resonator (ZTT/ZTTCC/ZTTCR/ZTTCE/ZTTCV/ZTTCW Series)

## ZTT Series of Ceramic Resonator

1.80 - 50.00MHz

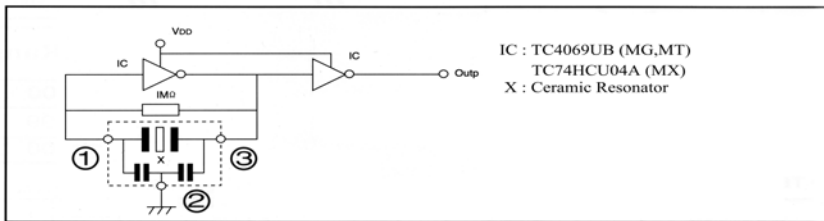


ZTTxx.xxMG Series



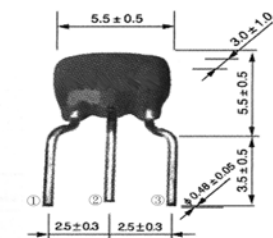
ZTTxx.xxMT Series

### TEST CIRCUIT FOR MOS IC

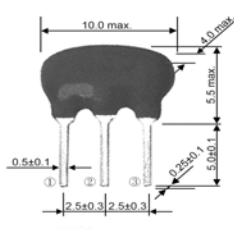


### TECHNICAL CHARACTERISTICS

Part Number	Ferquency Range (MHz)	Ferquency 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
ZTTWS□□□MG	1.80 - 6.00	±0.5	±0.3	-25 ~ +85	±0.3



ZTTRSxx.xxMG,MX Series

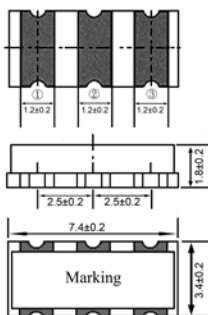


ZTTWSx.xxMG Series

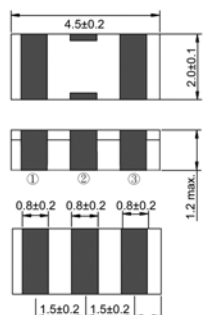
## ZTT - SMD Series of Ceramic Resonator

1.80 - 50.00MHz

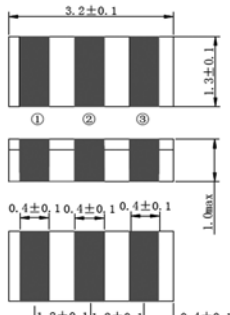
### DIMENSIONS



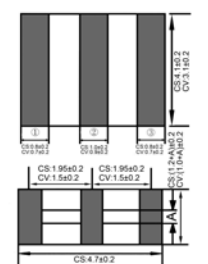
ZTTCCx.xxMG Series



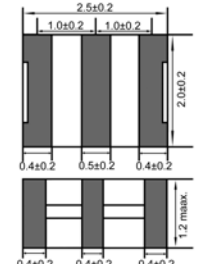
ZTTCRx.xxMG Series



ZTTCEx.xxMG Series



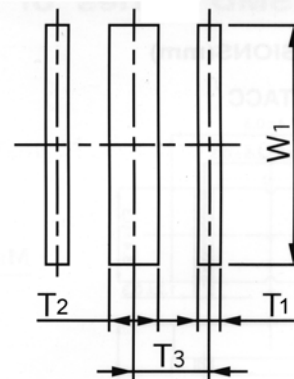
ZTTCSxx.xxMT,MX Series  
ZTTCVxx.xxMT,MX Series



ZTTCWxx.xxMX Series

- ① Input
- ② Ground
- ③ Output

### RECOMMENDED LAND PATTERN



Part Number	Size Code	Dimensions (mm)			
		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	Ferquency Range (MHz)	Ferquency 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.