1. Scope:

The specification is fit for ceramic resonator 1.84-6.00MHz.

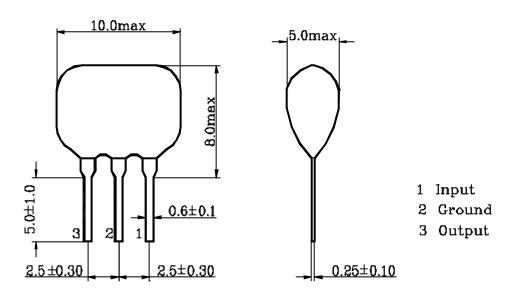
2. Model Name:

Model Name	Customer's part number	Customer's spec number
ZTTMG		

3. Outside Dimensions:

3-1 Outsider: The mark is clear. The appearance is smooth, non-dirty & non-damage.

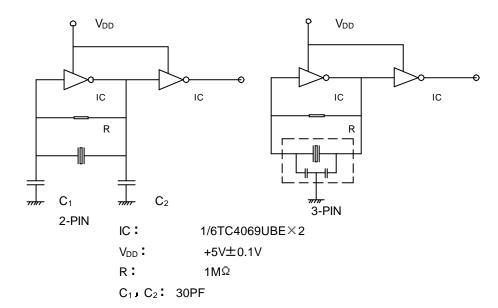
3-2 Outsider dimension:



4. Electrical Characteristics:

No.	ltem	Characteristics
		ZTT. MG
4-1	Oscillate Frequency (MHz)	1.84-6.00
4.2	Frequency Tolerance max	±0.5%
4.3	Resonant Impedance $\max(\Omega)$	25
4.4	Built – in Capacitance (PF)	30
4.5	Insulate Resistance $\min(M\Omega)$	100
4.6	Withstanding Voltage D.C(V)	100 (max 5 sec)
4.7	Voltage (1) D.C Voltage max (V) (2) Input Voltage max (V)	6 15Vp-p
4.8	Temp characteristics of Oscillate frequency max	±0.3%
4.9	Operating Temp Range (℃)	-20 ~ +80
4.10	Storage Temp (℃)	-55 ~ +85

5. Test Circuit:



6. Physical and Environmental Characteristics:

No	Item	Condition	Result	
6-1	Terminal strength Terminal stre		Non-evident damage.	
6-2	Lead terminals are immersed up to 2.0mm		Non-evident damage and meet table-1, the mark is clear.	
	Thermal shock	Temp:-55~+85 [®] C, 5cycles, keep for 30min, return to normal temp, for 24±2hrs.	Non-evident	
6-3	Vibration	Vibration:frequency:10~55Hz, amplitude:1.5mm, keep for 6hrs₌	damage and meet table-1, the mark is clear.	
	Shock	Va: 294m/s ² , pulse time: 18ms.	io olear.	
	High temperature	Temp: +85 [®] C, keep for 16hrs.	Non-breakthrough, or arc and meet table-1, non-evident damage the mark is clear.	
	Damp & heat (cyclic)	Trial Db, the first circle		
6-4	Low temperature	Temp: -55 [®] C, keep for 2hrs.		
	Low air pressure	Air press: 8.5kPa keep for 2hrs.		
	Damp & heat (cyclic)	Trial Db, the rest cycles, return to normal temp for 24±2hrs.		
6-5	Damp & heat (steady state)	Temp: 40±2 [®] C, humidity: 90~95%. Keep for 500hrs, return to normal temp for 24±2hrs.	Non-evident damage, the mark is clear, meet table-1.	
6-6	Life test	Temp:+85 [®] C, keep for 1000hrs, return to normal temp for.	Meet table-1.	

Table 1

No.	Test item	The value can be changed	
1	Oscillate frequency max	±0.3%	
2	Resonant impedance (Ω) max	±5	
3	Insulate resistance (M	100	