

L9.5\*W4.0\*H5.5/13.5

### MAIN FEATURE

- Thru Hole type, 3 pins
- Height for different frequency range
- Low Cost and short lead time
- Tape/box package option

### APPLICATION

- Communication and more

### STANDARD SPECIFICATION

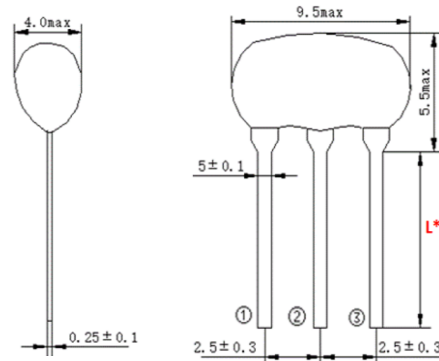
Parameter	Value			Unit	Condition
	Min.	Type	Max.		
Frequency Range	2.00		6.00	MHz	see p/n guide or Specify
Frequency Accuracy		±0.5		%	@25 °C
Operating Temperature Range	-25	-	+85	°C	
Storage Temperature Range	-55	-	+85	°C	
Built-in Capacitance		30	-	pF	MG: 2.00~6.00MHz
			-		
		-	-		
Temperature Coefficient	-	±0.3	-	%	Oscillation Freq. drift @-25 °C ~+85 °C
Resonant Impedance	25	30	80	ohm	
Aging per year*	-	-	±0.3	%	From initial value
Withstanding Voltage		50		V	DC, 5s Max.
Insulation Resistance Ri	500			MΩ	10V, 1min
Rating Voltage UR		6		V	DC
		15		V	p-p AC
IC	MG: 1/6TC4069UBP				

\* Parts shall be left in a chamber of +85 °C ±2°C for 1000 hours, then measured after leaving in natural condition for 1 hours.

### DIMENSION (mm)

Table 1

Side View



L* (mm)	Package	Frequency Range (MHz)
13.5 Max	Tape/Box	2.000~6.000
5.0 Max.	In Bulk	2.000~6.000

- #1 In/Output
- #2 Ground
- #3 Output/Input

### PART NUMBER GUIDE

Example: TGS CRTWS 4.0MG TLF

### Part Number and Part Code Structure

TGS	CRTWS	4.0	MG	T	LF XX
1	2	3	4	5	6 7

- 1) TGS: Company Code
- 2) CRTWS: Ceramic Resonator Built-in Capacitance, 3 Pins
- 4) 4.0: Frequency Range in MHz, 4.00MHz or specify
- 5) MG: Design Mode for different Frequency range. MG: 2.00~6.00MHz
- 6) T: Package in Bulk, 500pcs/Plastic Bag; T: Packed in Tape/Box, 2000pcs/Tape
- 7) LF: RoHS Compliant
- 8) XX: Internal Control Code- 2 letter or digits ; Blank: N/A

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