

### 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



L10.0\*W5.0\*H

H: Different Height for Freq. Range

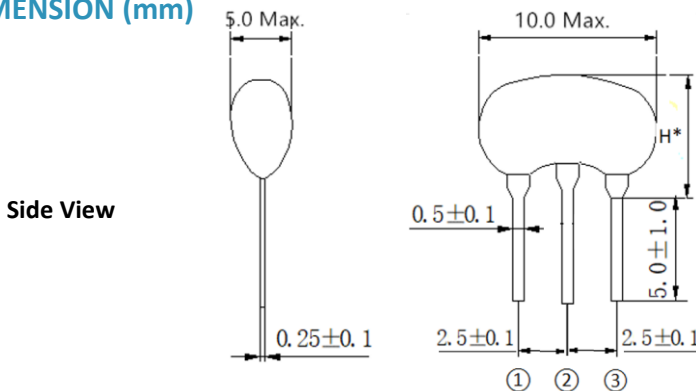
### STANDARD SPECIFICATION

Parameter	Value			Unit	Condition
	Min.	Type	Max.		
Frequency Range	2.00		60.00	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/MT(8.01~13.0MHz)/MX(13.01~20.0MHz)
		15	-		MX: 20.01~25.99MHz
		-	5		-
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/MT: 1/6TC4069UBP, MX: 1/6TC74HCU04				

\* 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



H* (mm)	Design Mode	Frequency Range (MHz)
7.5 Max	MG	2.000~8.000
10.0 Max.	MT	8.010~13.00
10.0 Max.	MX	13.01~60.00

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

### PART NUMBER GUIDE

Example: TGS CRT 18.4MX BLF

### Part Number and Part Code Structure

TGS	CRT	18.4	MX	B	LF XX
1	2	3	4	5	6 7

- 1) TGS: Company Code
- 2) CRT: Ceramic Resonator Built-in Capacitance, 3 Pins
- 4) 18.4: Frequency Range in MHz, 18.40MHz or specify
- 5) MX: Design Mode for different Frequency range, see table 1
- 6) B: Package in BULK, 500pcs/Plastic Bag
- 7) LF: RoHS Compliant
- 8) XX: Internal Control Code- 2 letter or digits ; Blank: N/A

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