

MAIN FEATURE

- Extra SMD Package, 2 pads
- Low Cost and short lead time

APPLICATION

- Clock oscillators for microprocessors
- Small electronic equipment and more



L2.5*W2.0*H0.9mm

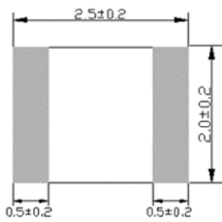
STANDARD SPECIFICATION

Parameter	Value			Unit	Condition
	Min.	Type	Max.		
Frequency Range	20.00		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	
Capacitance (C1/C2)		-	-	pF	MX: 20.00~25.99MHz MX: 26.00~60.00MHz
		15	-		
	-	5	-		
Temperature Coefficient	-	±0.3	-	%	Oscillation Freq. drift @-25 °C ~+85 °C
Resonant Impedance	-	-	60	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	MX: 1/6TC74HCU04				

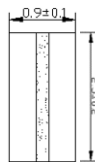
* Parts shall be left in a chamber of +85 °C ±2°C for 1000 hours, then measured after leaving in natural condition for 1 hours.

DIMENSION (mm)

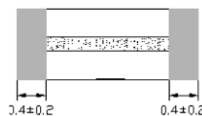
Top View



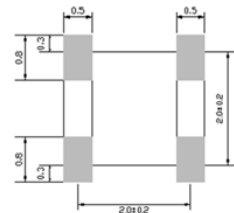
Side View



Bottom View



Solder Pattern



Connection
#1 In/Out
#2 Output/Input

PART NUMBER GUIDE

Example: TGS CRAW 30.0MX TLF

[Part Number and Part Code Structure](#)

TGS	CR	A	W	30.0	MX	T	LF	XX
1	2	3	4	5	6	7	8	9

- 1) TGS: Company Code
- 2) CR: SMD Ceramic Resonator
- 3) A: Without Built-in Capacitance , 2 Pads
- 4) W: Outline Dimensions L2.5*W2.0*H0.9mm
- 5) 30.0: Frequency Range in MHz, 30.000MHz or Specify
- 6) MX: Design Mode for different Frequency range, MX: 20.00~60.00MHz
- 7) T: Package in Tape/Reel, 3000pcs/Reel
- 8) LF: RoHS Compliant
- 9) XX: Internal Control Code; Blank: N/A