

RFQ

[Request For Quotation](#)

MAIN FEATURE

- Low cost, Short Lead time and Wide Frequency range
- 1.8V, 2.5V, 3.3V, 5.0V option • Industry standard option

APPLICATION

- IT Applications and more • Telecommunications



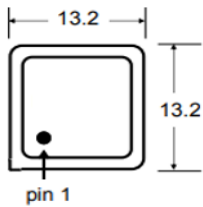
L13.2*W13.2*H5.08mm

STANDARD SPECIFICATIONS

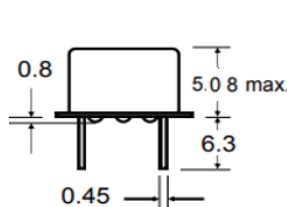
Parameter	Value			Unit	Condition	
	Min.	Type	Max.			
Supply Voltage	-	5.0	-	V	or Specify 3.3V, 1.8V, 2.5V	
Frequency Range	0.50		155.0	MHz	or Specify	
Overall Freq. Tolerance	-	±50		ppm	or Specify	
Operating Temp. Range	-40	-	+85	°C	see p/n guide Specify	
Output	VOH	4.5	-	V	@5.0V or see p/n guide Specify	
	VOL	-	-	0.5	V	@5.0V or see p/n guide Specify
	Load	-	15	-	pF	@1-10TTL or see p/n guide Specify
Enable/Disable Function:	-	Tri-State	-		@ Control via pin 1 or see p/n guide Specify	
Symmetry	45	-	55		see p/n guide Specify	
Startup Time	-	-	10	ms		
Supply Current	-	-	35	mA	Subject to different frequency range	
Rise/ Fall time	-	-	10	ns	Subject to different frequency range	
Storage Temperature Range	-55	-	+155	°C		
Aging per year	-	±5		ppm		

DIMENSION (+/-0.1 mm)

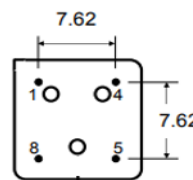
Top View



Side View



Bottom View



Pin Function

- #1 Enable(Tri-State)/Disable
- #4 Ground
- #5 Output
- #8 VDC

PART NUMBER GUIDE Example: TGS CO851BGI05 BLFXX- 48M000

[Part Number and Part Code Structure](#)

TGS	CO8	5	1	B	G	I	05	B	LF	XX	-48M000
1	2	3	4	5	6	7	8	9	10	11	12

- 1)TGS: Company Code
- 2) CO8: MHz Thru Hole Oscillator, 8 pin/Half size, L13.2*W13.2*H5.08mm
- 3) 5: Supply Voltage, 5: 5.0V; 3: 3.3V; 2: 2.5V; 1: 1.8V 4) 1: Enable/Disable Function, 1: Tri-state Via Pin 1; 0: N/A
- 5) B: Overall Frequency tolerance, A+/-25ppm; B: +/-50ppm; C: +/-100ppm; J+/-20ppm or Specify
- 6) G: Operating Temp. Range, D-0~70 °C; E: -10 ~+60°C; F: -20 ~+70 °C; G: -40 ~+85 °C or Specify
- 7) I: Symmetry H: 40/60; I: 45/55
- 8) 05: Output Load: 01: 1-10TTL//15pF; 03:HCMOS//15pF; 04: HCMOS//30pF; 05: HCMOS//50pF
- 9) B: Packed in Plastic Tube, 40pcs/Tube for CO8 series
- 10) LF: RoHS Complaint 11) XX: Internal Control Code- 2 letter or digits ; Blank: N/A
- 12) 48M000: Frequency Range 48.000MHz or specify