#### BQCSF-XXXMX-XXXXT - 2.5x2.0 Crystals

# 

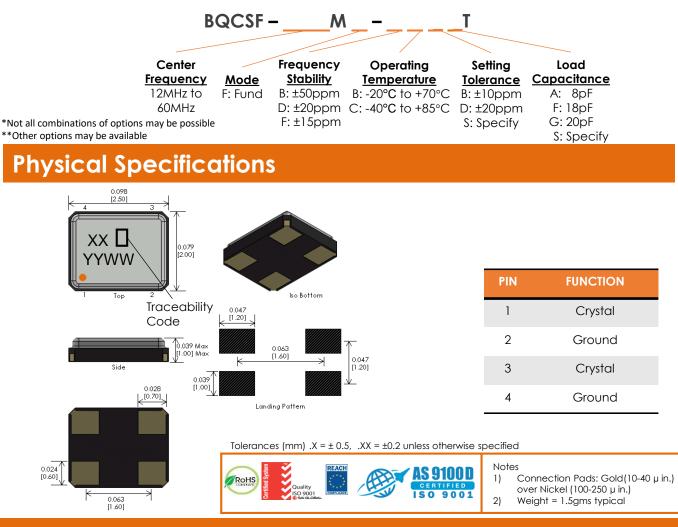
#### FEATURES SMD Construction

✓ SMD Construction
✓ Standard 2.5x2.0mm Package Size
✓ High Stability Over Temp

#### #blileytakesyoufurther

### Part Number Configuration

Crystals



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# **Performance Specifications**

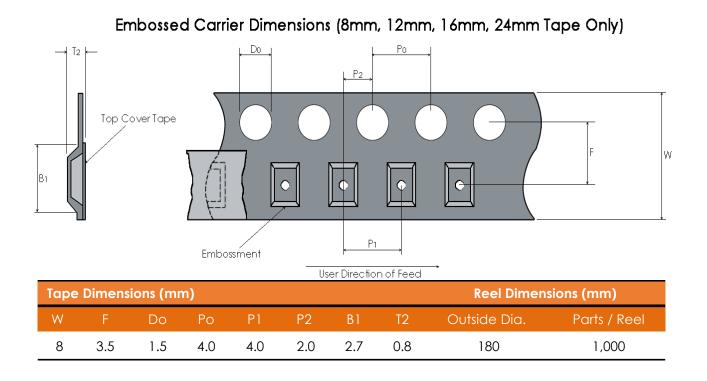
Parameter	Conditions	Values	Unit
Frequency Range		12.0 - 60.0	MHz
Frequency Tolerance	@ + 25 C	±50 Max (see options)	ppm
Frequency Stability		±100 Max (see options)	ppm
Aging	Max 1 <sup>st</sup> Year	±3.0	ppm
Equivalent Series Resistance (max)	12.0 – 15.0 MHz	150	Ω
	16.0 – 29.0 MHz	100	Ω
	30 – 60.0 MHz	60	Ω
Insulative Resistance	Min @ 100Vdc ±15V	500	MegΩ
Drive Level		10 Typ, 100 Max	μW
C0 (Shunt Capacitance)	Мах	5.0	pF
CL (Load Capacitance)	Per Option (typical)	6-20 (see options)	pF
DLD	50 nW to 100µW	±10 Max	ppm
RLD	50 nW to 100µW	20% Max	Ω
Operating Temp Range		-20 to +70 / -40 to +85	°C
Storage Temp Range		-55 to +125	°C
Sealing Method		Seam Weld	
Moisture Sensitivity Level	1		

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### **Tape and Reel**



### **Recommended Reflow Profile**

Reflow Profile: in accordance to IPC/JEDEC J-STD-020 (Latest Revision)

#### **Additional Notes:**

- This part has been designed for pick and place reflow soldering
- This part may be reflowed once
- This part should not be reflowed in the inverted position

# Packaging

**Packaging**: All packaging must conform to ESD Controls detailed in ANSI/ESD S20.20 (Latest Revision)

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