FEATURES

• The SR406 -M3 is a true one-port, Surface-acoustic-wave(SAW) resonator in a low-profile, M3 case. It provides reliable, fundamental-mode, quartz frequency stabilization of fixed-frequency transmitters operating at 406.00MHz.

APPLICATIONS

Remote Control

SPECIFICATION

		Product	Option Cod			
	arameters	SR	SR			
Centre Frequency(fc) :		406.00MHz	A	406.00		
Frequency	Tolerance(∆fc):	±75KHz ±100KHz ±150KHz ±200KHz	△ △ △	A B C D		
Temp. Stability	Turnover Temp(A				
	Turnover Frequ	A				
	Frequency Temp (FTC):	o.Coefficient 0.037ppm/°C²	A			
Insertion Loss(IL): 2.2 dB Max		A				
Operating Temp. Range: -10°C		-10℃~+60℃	•			
Storage Tem		A				
Quality Factor	Unloaded Q(Q∪):	12,400	A			
	50 Ω Loaded Q(C	QL): 2,000	A			
DC Insulation	n Resistance betw	•				
	Aging Absolute					
the First Ye		•				
RF Equivalent RLC Model	Motional Resist	•				
	Motional Induct	A				
	Motional Capac	•				
	Shunt Static Ca (Co):	2.0 pF	•			
CW Therefo	re Power Dissipa	A				
DC Voltage	Between Any Tw	A				
Case Temp	erature:	A				
Soldering T	emperature:	•				
Holder Type: 5.0X5.0X1.35mm			Δ	М3		
Package:		Tape/Reel	Δ	Т		
▲ Standard ★ Specifications Subject to Change Without Notice						

* Specifications Subject to Change Without Notice $\triangle\,$ Optional: please specify required code when inquiring or ordering

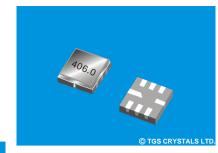
- Electrostatic Sensitive Device. Observe precautions for handling
 Freq. aging is the change in f_e with time and is specified at +65 °C or less. Aging may exceed the specification for prolonged temp. above +65 °C. Typically, aging is greatest the first year after manufacture, decreasing in subsequent years.
- 3.The center freq., f_c , is measured at the minimum insertion loss point, $IL_{\mbox{\tiny min}}$, with the resonator in the 50 Ω test system (VSWR≤1.2:1). Ypically,Tf_{oscill} ensmitter is appr. equal to the resonator fc.
- 4. Typically, equipment utilizing this device requires emissions approval, which is
- 6. The design, manufacturing process, and specifications of this device are
- subject to change without notice.

 7. Derived mathematically from one or more of the following directly measured parameters: f, IL, 3 dB bandwidth, f, versus T, and C
- 8. Turnover temperature, T_o , is the temperature of maximum (or turnover) freq., f_o , The nominal center freq. at any case temp. , Te, may be calculated from :f= f_o [1-FTC (T_o-T_o)²]. Typically, oscillator T_o is appr. equal to the specified

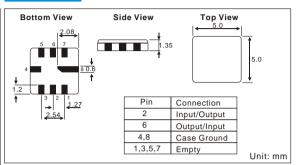
PART NUMBER GUIDE

TGS	SR	406	Α	М3	Т
Mark	SAW Resonators	Centre	Frequency	Holder	Package
	One-Port	Freq.	Tolerance	Type	_

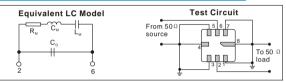
e.g. TGS SR 406.0 A M3 T



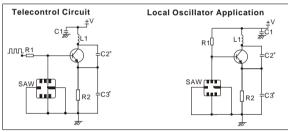
DIMENSIONS



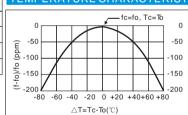
EQUIVALENT LC MODEL AND TEST CIRCUIT



TYPICAL APPLICATION CIRCUIT

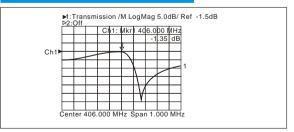


TEMPERATURE CHARACTERISTICS



The Cure shown above accounts for resonator contribution only and does not include oscillator temperature characteristics

TYPICAL FREQUENCY RESPONSE



PACKAGE

 Standard package in T/R: 3000pcs/Reel, 2Reel/box, 5box/Carton See page 182 for detail dimensions

