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FEATURES

• The SRQ315.0-T is a true two-port, 180° surface-acoustic-wave(SAW) resonator in a low-profile TO-39 case . It provides reliable, fundamental-mode, quartz frequency stabilization of fixed-freq. Transmitters operating at 315.00MHz

APPLICATIONS

Remote Control

SPECIFICATION *

SPECIFICA		Product	Option Code	
P	arameters	SRQ	SRQ	
Centre Frequency(fc): 315.000			A	315.000
Frequency	Tolerance(∆fc):	±75KHz ±100KHz ±150KHz ±200KHZ	Δ Δ Δ	A B C D
	Turnover Temp(A		
Temp. Stability	Turnover Freque fc	ency(fo): 315.000 MHz	A	
	Frequency Temp (FTC):	0.037ppm/°C²	A	
Insertion Lo	Insertion Loss(IL): 8 dB Max.		A	
Operating Te	mp. Range:	A		
Storage Tem	·	A		
Quality	Unloaded Q(Qu):	3,600	A	
Factor	50 Ω Loaded Q(Q	(L): 6,800	A	
DC Insulation Pins:	n Resistance between	A		
	Aging Absolute			
the First Ye	` '	A		
	Motional Resista	151 Ω Max.	A	
RF Equivalent	Motional Inducta	ance(Lм): 712.7804 µН	A	
RLC Model	Motional Capaci	tance(См): 0.38537 fF	•	
	Shunt Static Cap (Co):	1.3 pF	A	
CW Therefo	re Power Dissipa	A		
DC Voltage	Between Any Two	A		
Case Temperature:		-40℃~+85℃	A	
Holder Type:		TO-39	Δ	Т
Package:	Package: Tube			U

* Specifications Subject to Change Without Notice △ Optional: please specify required code when inquiring or ordering

- Electrostatic Sensitive Device. Observe precautions for handling
 Freq. Aging is the change in fc with time and is specified at +65°C or less. Aging may exceed the specification for prolonged temp. Above +65°C. Typiclly, aging
- is greatest the firstyear after manufacture, decreasing in subsequent years.

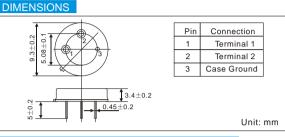
 3. The centrefreq. Fc , is the freq. Of minimum IL with te resonator in te specified test fixture in a 50½ test system with VSWR≤1.2:1. Typically, foscillator or ftransmiter is less than the resonator fc.
- 4. Typically, equipment utilizing this device requires emissions testing and government approval. Which's the responsibility of the equipment manufacturer 5. Unless noted otherwise, case temperature Tc=+25℃ ±2℃.

 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_c , IL, 3 dB bandwidth, f_c versus T_c , and C_o 8. Turnover temperature, T_a is the temperature of maximum (or turnover) freq., f_a
- The nominal center freq. at any case temp., Te, may be calculated from :f= f_o [1-FTC $(T_o\text{-}T_c)^2$]. Typically, oscillator T_o is 20°C lss than the specified resonator To.

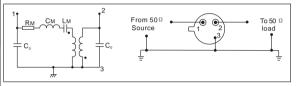
PART NUMBER GUIDE

TGS	SRQ	315	В	Т	U
Mark	SAW Resonators	Centre	Frequency	Holder	Package
	Two-Port	Freq.	Tolerance	Type	_

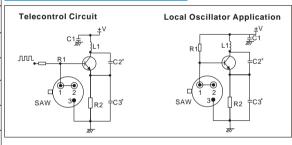
e.g. TGS SRQ 315.00 B T U



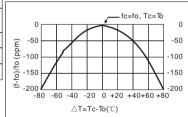
EQUIVALENT LC MODE AND TEST CIRCUIT



TYPICAL APPLICATION CIRCUIT

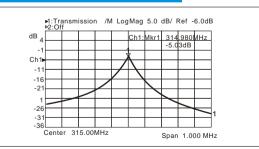


TEMPERATURE CHARACTERISTICS



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

TYPICAL FREQUENCY RESPONSE



PACKAGE

Standard package in Tube: 20pcs/Tube.