FEATURES

 The SR433.92 -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 433.920MHz.

APPLICATIONS

Remote Control

SPECIFICATION *

		Product	Option Code			
Parameters			SR	SR		
Centre Frequency(fc): 433.92MHz			A	433.92		
Frequency	Tolerance(∆fc):	±75KHz ±100KHz ±150KHz ±200KHZ	Δ Δ Δ	A B C D		
Temp. Stability	Turnover Temp	(To): 55℃Max.	A			
	Turnover Frequ	` '				
	Frequency Tem (FTC):	np.Coefficient 0.037ppm/°C²	A			
Insertion Loss(IL): 2.0 dB Ma			A			
Operating Temp. Range:		-10℃~+60℃	A			
Storage Tem		A				
Quality Factor	Unloaded Q(Qu):	10,500	A			
	50 Ω Loaded Q(Q L): 1,450	A			
DC Insulation	n Resistance bet	A				
Frequency the First Ye	Aging Absolute ar(fA):	A				
RF Equivalent RLC Model	Motional Resis	tance(Rм): 26ΩMax.	A			
	Motional Induc	61.724 µ H	•			
	Motional Capa	2.1817 fF	A			
	Shunt Static C (Co):	2.5 pF Max.	A			
CW Therefore Power Dissipation: +10dBm			A			
DC Voltage	Between Any Tv	A				
Case Temperature: -40℃~+85℃			•			
Soldering Temperature: +235℃			•			
Holder Type: 5.0X5.0X1.35mm			Δ	МЗ		
Package:		Δ	Т			
Package: Tape/Reel △ T ▲ Standard ★ Specifications Subject to Change Without Notice						

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△ Optional: please specify required code when inquiring or ordering

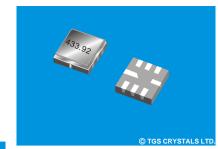
NOTE

- 1. Electrostatic Sensitive Device. Observe precautions for handling 2. Freq. aging is the change in f_c with time and is specified at +65 $^{\circ}$ C or less. Aging
- 2. Fred, aging is the change in a wift time and is specified at 465 C of 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.
- The center freq., fc, is measured at the minimum insertion loss point, ILmin, with the resonator in the 50Ω test system (VSWR≤1.2:1). Tpically,Tfoscillator or ftransmitter is appr. equal to the resonator fc.
- Typically, equipment utilizing this device requires emissions approval, which is the responsibility of the equipment manufacturer.
- 5. Unless noted otherwise , case temperature $Tc=+25^{\circ}\pm2^{\circ}$.
- 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: fc, IL, 3 dB bandwidth, fc versus Tc, and C $_{\circ}$
- 8. Turnover temperature, To, is the temperature of maximum (or turnover) freq., fo, The nominal center freq. at any case temp., To, may be calculated from :f= fo [1-FTC (T-To)²]. Typically, oscillator To is appr. equal to the specified resonator To.

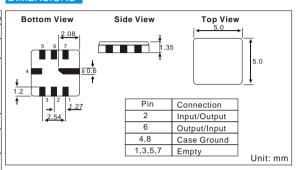
PART NUMBER GUIDE

TGS	SR	433.92	Α	М3	Т
Mark	SAW Resonators	Centre	Frequency	Holder	Package
	One-Port	Freq.	Tolerance	Type	

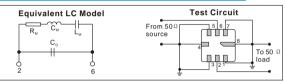
e.g. TGS SR 433.920 A M3 T



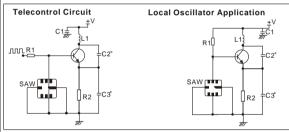
DIMENSIONS



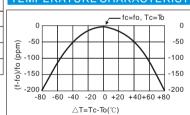
EQUIVALENT LC MODEL AND TEST CIRCUIT



TYPICAL APPLICATION CIRCUIT

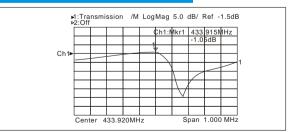


TEMPERATURE CHARACTERISTICS



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

