FEATURES

• The SR868.35-T is a true one-port, Surface-acoustic-wave(SAW) resonator in a low-profile, TO-39 case. It provides reliable, fundamental-mode, quartz frequency stabilization of fixed-frequency transmitters operating at 868.35MHz.

APPLICATIONS

Remote Control

SPECIFICATION *

В	oromotoro	Product	Option Code	
	arameters	SR	SR	
Centre Frequ	iency(fc) :	868.350MHz	A	868.350
Frequency	Tolerance(∆fc):	±150KHz ±200KHz ±250KHZ	Δ Δ Δ	C D E
	Turnover Temp(T	o): 55℃Max.	A	
Temp. Stability	Turnover Freque	ncy(fo): : 868.35 MHz	A	
	Frequency Temp (FTC):	.Coefficient 0.037 ppm/°C²	•	
Insertion Lo	oss(IL):	A		
	emp. Range:	A		
Storage Tem		-40℃~+85℃	A	
Quality	Unloaded Q(Qu):	9,400	A	
Factor	50 Ω Loaded Q(Q	L): 1,500	A	
DC Insulation Pins:	n Resistance betwe	•		
	Aging Absolute V			
the First Yea	ar(fA):	A		
	Motional Resista	nce(Rм): 26ΩMax.	A	
RF Equivalent RLC Model	Motional Inducta	32.735 µ H	A	
	Motional Capacit	1.0274 fF	•	
	Shunt Static Cap (Co):	2.3 pF Max.	A	
CW Therefo	re Power Dissipa	A		
DC VoltageBetween Any Two Pins:			A	
Case Tempo	erature:	-40℃~+85℃	A	
Holder Type:		TO-39	Δ	Т
Package:		Δ	U	
▲ Standard	* Specifications	Subject to Char	ago Withou	t Notice

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

NOTE

- 1. Electrostatic Sensitive Device. Observe precautions for handling
- 1. Electrostatic Seristive Device. Observe precautions for narioting 2. Freq. Aging is the change in fc with time and is specified at +65℃ or less. Aging may exceed the specification for prolonged temp. Above +65℃. TypicIly, aging
- is greatest the first year after manufacture, decreasing in subsequent years.

 3. The centre freq. Fc , is the freq. Of minimum IL with te resonator in te specified test fixture in a 50 Ω test system with VSWR ≤1.2:1. Typically, f_{oscillator} or ftransmiter is less than the resonator fc.
- transmiter 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°C±2°C.

 6. The design, manufacturing process, and specifications of this device are
- subject to change without notice.
- Derived mathematically from one or more of the following directly measured parameters: fc, IL, 3 dB bandwidth, fc versus Tc, and Co
- Parallelers: i. I., 3 of ballowing the reverses is a rice of the control of the resonator To.

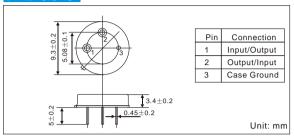
PART NUMBER GUIDE

TGS	SR	868.35	С	Т	U
Mark	SAW Resonators	Centre	Frequency	Holder	Package
	One-Port	Freq.	Tolerance	Type	

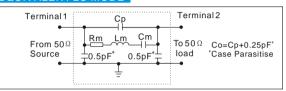
e.g. TGS SR 868.35 C T U

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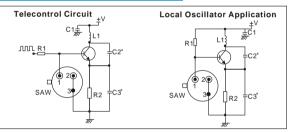
DIMENSIONS



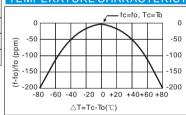
EQUIVALENT LC MODE



TYPICAL APPLICATION CIRCUIT

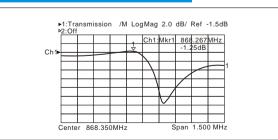


TEMPERATURE CHARACTERISTICS



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.

