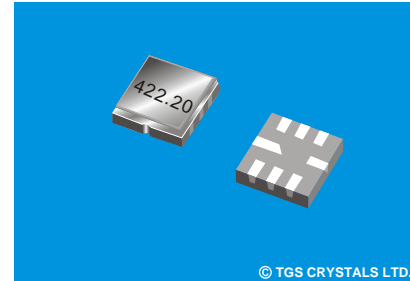


**FEATURES**

- The Specification shall cover the characteristics of 422.2MHz SAW Filter

**APPLICATIONS**

- Communication



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**SPECIFICATION** \*

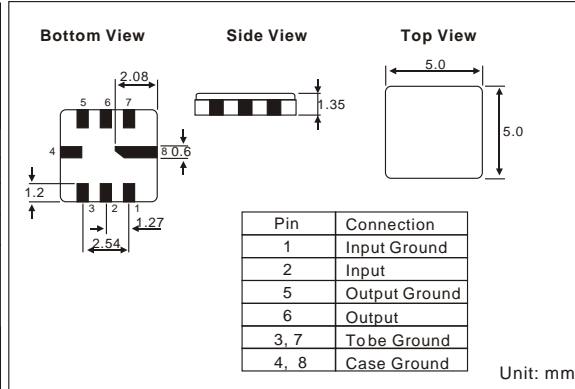
Parameters		Product	Option Code
		SF	SF
Centre Frequency(fc) :	422.200MHz	▲	422.200
Insertion Loss(IL):	5.0 dB Max.	▲	
3 dB Bandwidth(BW <sub>3</sub> ):	1.0MHz	▲	
Ripple in fc±0.5MHz(Rp):	1.5dB Max.	▲	
VSWR in fc±0.5MHz(VSWR):	2.5dB Max.		
Operating Temp. Range:	-10°C~+60°C	▲	
Storage Temp. Range:	-40°C~+85°C	▲	
DC Insulation Resistance Between Any Two Pins:		▲	
		1.0MΩ Min.	
Rejection	at fc-21.4MHz (ATT1):	▲	50dBMin
	at fc-10.7MHz (ATT2):	▲	50dBMin
	Ultimate:	▲	80 dB
Input Power Level:	10dBm	▲	
DC Voltage:	12V DC	▲	
Case Temperature:	-40°C~+85°C	▲	
Soldering Temperature:	+235°C	▲	
Reference temperature:	TA=25°C	▲	
Terminating Source impedance:	Z <sub>S</sub> =50Ω	▲	
Terminating Load impedance:	Z <sub>L</sub> =50Ω	▲	
Holder Type:	5.0X5.0X1.35mm	△	M3
Package:	Tape/Reel	△	T

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

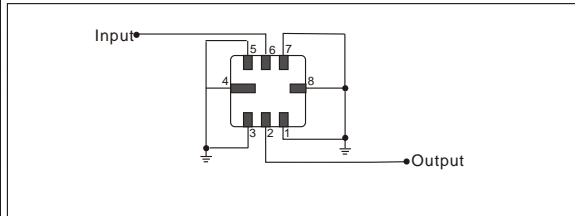
**NOTE**

1. Electrostatic Sensitive Device. Observe. Precautions for handling
2. 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. Typically, aging is greatest the first year afire manufacture, decreasing significantly in subsequent years.
3. Unless noted otherwise. All measurements are made with the filter installed in the specified test fixture which is connected to a 50 ohms test system with VSWR≤1.2:1. The test fixture L and C are adjusted for minimum insertion loss at the filter centre frequency, fc. Note that insertion loss and bandwidth and passband on the impedance matching component values and quality.
4. The frequency fc is defined as the midpoint between the 3dB frequency.
5. Unless noted otherwise specifications apply over the entire specified operating temperature range.
6. The design, manufacturing process, and specifications of this device are subject to change without notice.
7. The turnover temperature, To, is the temperature of maximum (or turnover)freq. Fo. The nominal freq. At any case temp. Tc, may be calculated from: f=[1-FTC (To-Tc)<sup>2</sup>].

**DIMENSIONS**



**TEST CIRCUIT**



**PACKAGE**

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

**PART NUMBER GUIDE**

TGS	SF	422.2	M3	T
Mark	SAW Filters	Centre Freq.	Holder Type	Package

e.g. TGS SF 422.2 M3 T

