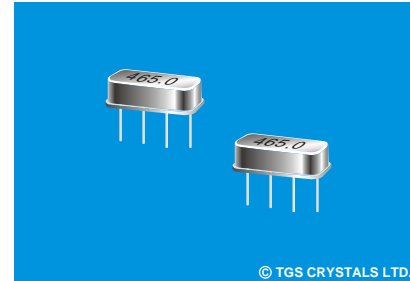


FEATURES

- This SFB465-F is a low-loss, economical surface-acoustic-wave(SAW) filter designed to provide front-end selectivity in 465.000MHz

APPLICATIONS

- Communication



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SPECIFICATION *

Parameters		Product	Option Code	
		SF	SF	
Centre Frequency(fc) :		465.000MHz	▲	465.000
Rejection level	f0-13.7~f0-7.7MHz:	8dB Min.	▲	
	f0-45.8~f0-39.8MHz:	5.0dB	▲	
	f0+39.8~f0+45.8MHz:	45dB Min.	▲	
3dB Pass (Bw ₃):		±3.0MHz	▲	
Ripple(withfc±3.0KHz):		±2.0dB	▲	
Operating Temp. Range:		-10℃~+60℃	▲	
Storage Temp. Range:		-40℃~+85℃	▲	
Input/Output Impedance(Nominal):		150Ω//0pF Min.	▲	
CW Therefore Power Dissipation:		+10dBm	▲	
DC Voltage Between Any Two Pins:		±30V DC	▲	
Case Temperature:		-40℃~+85℃	▲	
Holder Type:		F-11	△	F
Package:		Tube	△	U

▲ 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℃ or less. Aging may exceed the specification for prolonged temp. Above +65℃. Typically, aging is greatest the first year after manufacture, decreasing in subsequent years.
- 3.The centre freq. Fc, is the freq. Of minimum IL with the resonator in the specified test fixture in a 50Ω test system with VSWR≤1.2:1. Typically, f_{oscillator} or f_{transmitter} is less than the resonator fc.
- 4.Typically, equipment utilizing this device requires emissions testing and government approval. Which is 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 C₀
- 8.Turnover temperature, T_o, is the temperature of maximum (or turnover) freq., f_o. The nominal center freq. at any case temp., T_c, may be calculated from :f_c = f_o [1-FTC (T_c-T_o)²]. Typically, oscillator T_o is 20℃ less than the specified resonator T_o.

PACKAGE

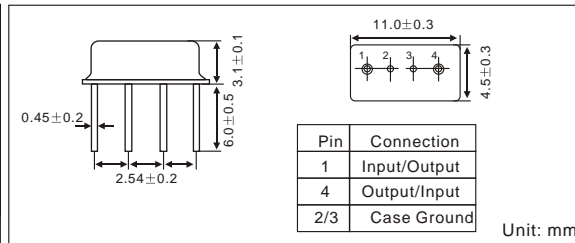
- Standard package in Tube: 20pcs/Tube.

PART NUMBER GUIDE

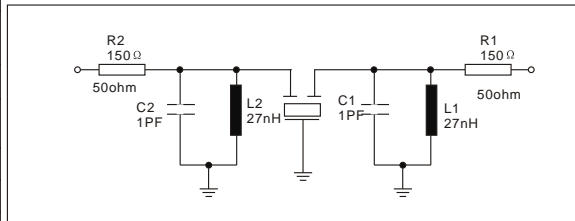
TGS	SFB	465	F	U
Mark	SAW Filter	Centre Freq.	Holder Type	Package

e.g. TGS SFB465.0 F U

DIMENSIONS



TEST CIRCUIT



TYPICAL FREQUENCY RESPONSE

