479.500 MHz SAW Filter for Satellite Receiver

- ***Ideal for DSB Wireless Receivers***
- ***Constant Group Delay***
- ***Improved ESD capability by integrated shunt resistors***
- ***Rugged, Hermetic, Low Profile TO-39 Package***

SF480

Absolute Maximum Rating (Ta=25°C)		
Parameter	Rating	Unit
DC Voltage V_{DC}	0	V
AC Voltage V_{pp}	5 (50Hz/60Hz)	V
Operating Temperature Range	-20 ~ +60	°C
Storage Temperature Range	-40 ~ +85	°C

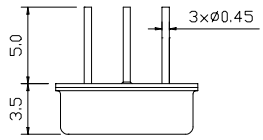
Specifications						
	Parameter	Sym	Minimum	Typical	Maximum	Unit
Frequency (25°C)	Center Frequency fc	fc	NS	479.500	NS	MHz
	Tolerance from 479.500 MHz	Δfc	-	±1.0	-	MHz
Insertion Loss		IL	-	4.0	-	dB
3dB Bandwidth from 479.500 MHz		BW_3	-	±11	-	MHz
Relative Attention	fc ± 50 MHz	-	45	-	-	dB
Amplitude Ripple	fc ± 9.0 MHz	-	-	-	1.0	dB
Impedance at 479.5 MHz	Input Zin = Rin || Cin	-	-	50||0	-	Ω||pF
	Output Zout = Rout || Cout	-	-	50||0	-	Ω||pF
DC Insulation Resistance Between any Two Pins		-	1.0	-	-	MΩ

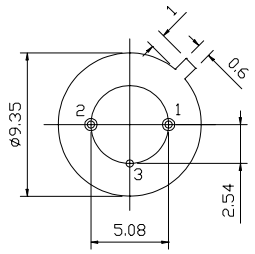
NS = Not Specified

Notes

1. Unless noted otherwise, all measurements are made with the filter installed in the specified test fixture, which is connected to a 50 Ω test system (VSWR ≤ 1.2:1). The test fixture's L and C are adjusted for minimum insertion loss at the filter center frequency. fc Note the insertion loss, bandwidth, and passband shape are dependent on the impedance matching component values and quality. The optimum impedance matching component values are dependent on circuit parasitic losses.
2. The frequency fc is defined as the midpoint between the 3dB frequency.
3. Unless notes otherwise, specifications apply over the entire specified operating temperature range.
4. The design, manufacturing process, and specifications of this device are subject to change without notice.

Package Outline (TO-39-3)





Pin	Connection
1	Input/Output
2	Output/Input
3	Ground

All dimensions are in mm

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