

## Scope

***This specification shall cover the characteristics of SAW filter with SF478 at 478.000 MHz in F-11 package used for RF receiving system.***

# SF478

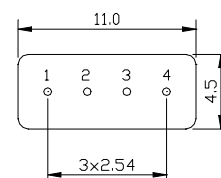
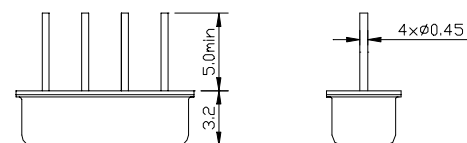
Absolute Maximum Rating (Ta=25°C)		
Parameter	Rating	Unit
CW RF Power Dissipation	+ 0	dBm
DC Voltage V <sub>DC</sub>	10	V
AC Voltage V <sub>pp</sub>	10 (50Hz/60Hz)	V
Operating Temperature Range	-20 ~ +60	°C
Storage Temperature Range	-45 ~ +85	°C

Specifications					
Parameter	Sym	Minimum	Typical	Maximum	Unit
Center Frequency (25°C)	f <sub>c</sub>	NS	478.000	NS	MHz
3dB Passband	BW <sub>3</sub>	-	±11.0	-	MHz
Insertion Loss ±9.0MHz	IL	-	-	4.0	dB
Passband Ripple ±9.0MHz	-	-	-	1.0	dB
Rejection ±50.0MHz	-	45	-	-	dB
Input/Output Impedance	-	-	50  0	-	Ω  pF
DC Insulation Resistance Between any Two Pins	-	10	-	-	MΩ

NS = Not Specified

Notes	Package Outline (F-11)
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- Reference temperature shall be  $25 \pm 2^{\circ}\text{C}$ . However, the measurement may be carried out at  $5^{\circ}\text{C}$  to  $35^{\circ}\text{C}$  unless there is a dispute.
- Static voltage  
Static voltage between signal load & ground may cause deterioration & destruction of the component. Please avoid static voltage.
- Ultrasonic cleaning  
Ultrasonic vibration may cause deterioration & destruction of the component. Please avoid ultrasonic cleaning.
- Soldering  
Only leads of component may be solder. Please avoid soldering another part of component.



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

All dimensions are in mm