

Scope

This specification shall cover the characteristics of SAW filter with SF454 used for wireless voice transmission system.

SF454

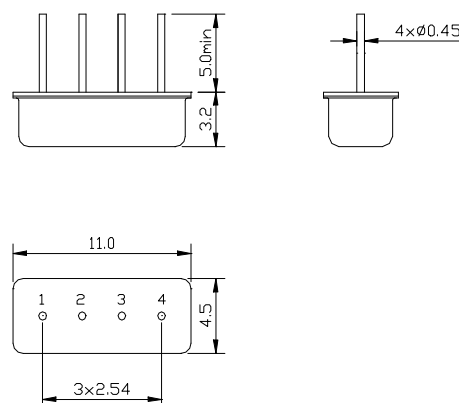
Absolute Maximum Rating (Ta=25°C)		
Parameter	Rating	Unit
CW RF Power Dissipation	0	dBm
DC Voltage VDC	10	V
AC Voltage Vpp	10 (50Hz/60Hz)	V
Operating Temperature Range	-20 ~ +60	°C
Storage Temperature Range	-45 ~ +85	°C

Specifications					
Parameter	Sym	Minimum	Typical	Maximum	Unit
Center Frequency (25°C)	fc	NS	454.000	NS	MHz
3dB Passband	BW3	-	±2.5	-	MHz
Insertion Loss ±4.0 MHz	IL	-	-	5.0	dB
Passband Ripple fc ±4.0 MHz	-	-	-	1.0	dB
Rejection fc – 30MHz	-	35	-	-	dB
fc + 30MHz	-	35	-	-	dB
fc + 200MHz	-	35	-	-	dB
Input/Output Impedance (Nominal)	-	-	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°V to 35°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
2	Ground
3	Ground
4	Output

All dimensions are in mm