

Scope

This specification shall cover the characteristics of IF SAW filter with SF171 used for the pager system.

SF171

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	-10 ~ +50	°C
Storage Temperature Range	-45 ~ +85	°C

Specifications						
Parameter	Sym	Minimum	Typical	Maximum	Unit	
Center Frequency (25°C)	fc	NS	171.000	NS	MHz	
Insertion Loss	fc ± 4 MHz	-	-	6.5	dB	
Attenuation	fc - 100MHz to fc - 46.8MHz	-	50	-	dB	
	fc - 46.8MHz to fc - 38.8MHz	-	50	-	dB	
	fc ± 38.8MHz to 2.5 x fc	-	42	-	dB	
Input/Output Impedance	-	-	210 -10.9	-	Ω pF	
DC Insulation Resistance Between any Two Pins	-	10	-	-	MΩ	

NS = Not Specified

Notes	Package Outline (F-11)
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1. Static voltage

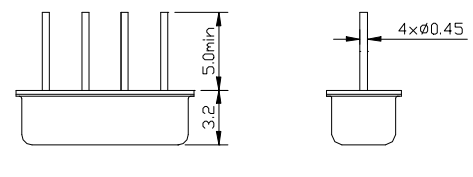
Static voltage between signal load & ground may cause deterioration & destruction of the component. Please avoid static voltage.

2. Ultrasonic cleaning

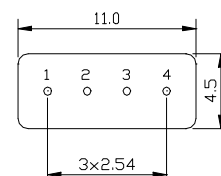
Ultrasonic vibration may cause deterioration & destruction of the component. Please avoid ultrasonic cleaning.

3. 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