



Total Solution Provider in Saw Device

SA755AM1

Wireless, RF SAW Filter
Revision. A



- Electrical Characteristics
 - Package Dimensions
 - Testing Environment
 - Frequency Characteristics
-

SAWNICS Inc.

460 Cheonheung-ri, Seonggeo-eup, Cheonan-si, Chungcheongnam-do, 330-836 / Korea.
Tel: +82 41 550 9372 / Fax: +82 41 550 9399 / www.sawnics.com

□ Electrical Characteristics

Maximum Ratings

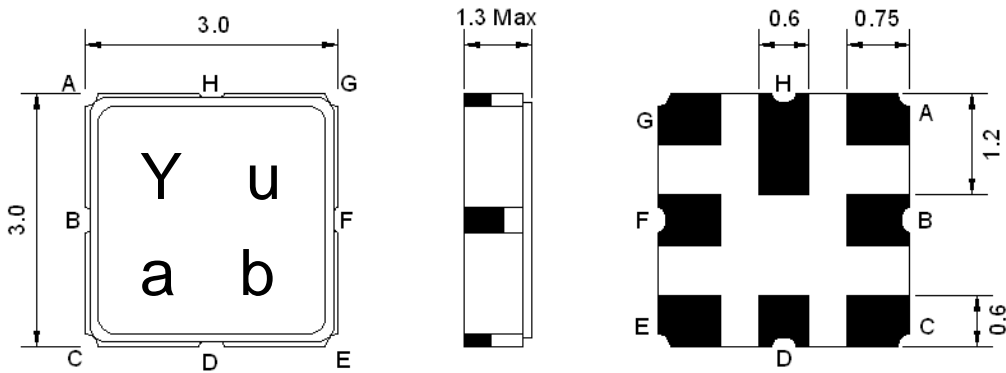
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	0	-	+50
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M1			
Length x Width	-	-	3.0 x 3.0	-
Height	mm	-	-	1.3

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	755.0	-
Insertion Loss within 746.0 ~ 764.0 MHz	dB	-	1.8	2.5
Amplitude Ripple within 746.0 ~ 764.0 MHz	dB _{p-p}	-	1.0	1.5
Attenuation:				
0.3~409.0 MHz (Low Side Rejection)	dB	20	30	-
409.0~427.0 MHz (Tx Image Rejection)	dB	27	31	-
577.5 ~595.5 MHz (Tx LO Rejection)	dB	27	30	-
606.0~624.0 MHz (Rx Image Rejection)	dB	25	30	-
776.0~794.0 MHz (Tx Band Rejection)	dB	30	40	-
794.0~3000.0 MHz (High Side Rejection)	dB	20	30	-
Return Loss within 746.0 ~ 764.0 MHz	dB	8	10	-

Notes : (1) No Matching Network (Ref. Testing Environment Circuit as shown below).

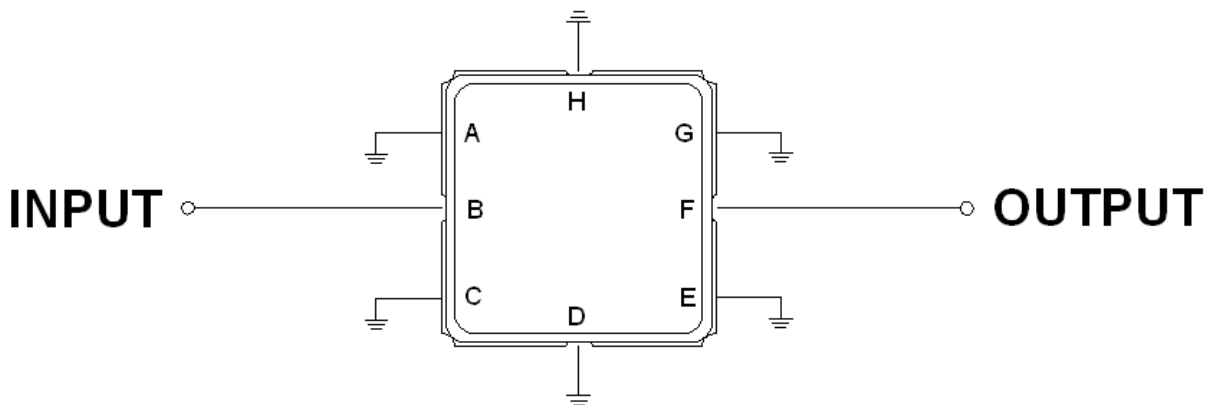
□ Package Dimensions



Marking Descriptions	
Y	Wireless Application
u	Series Number
a	Date Code(Year)
b	Date Code(Month)

Pin Description	
A, C, D, E, G	Ground
B	In
F	Out

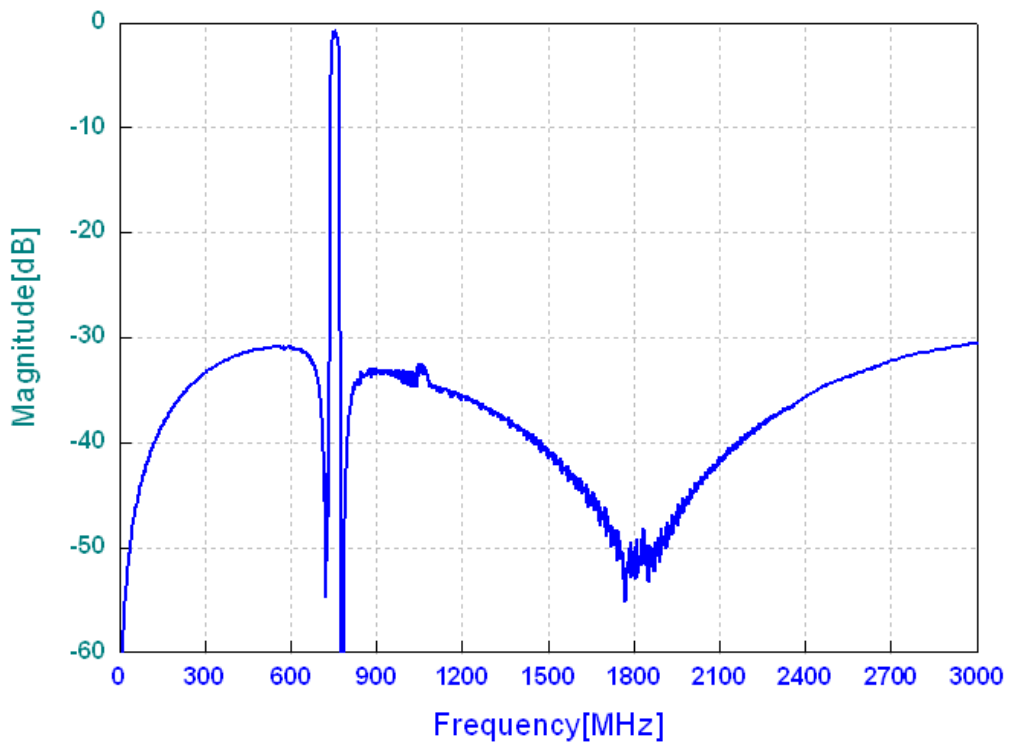
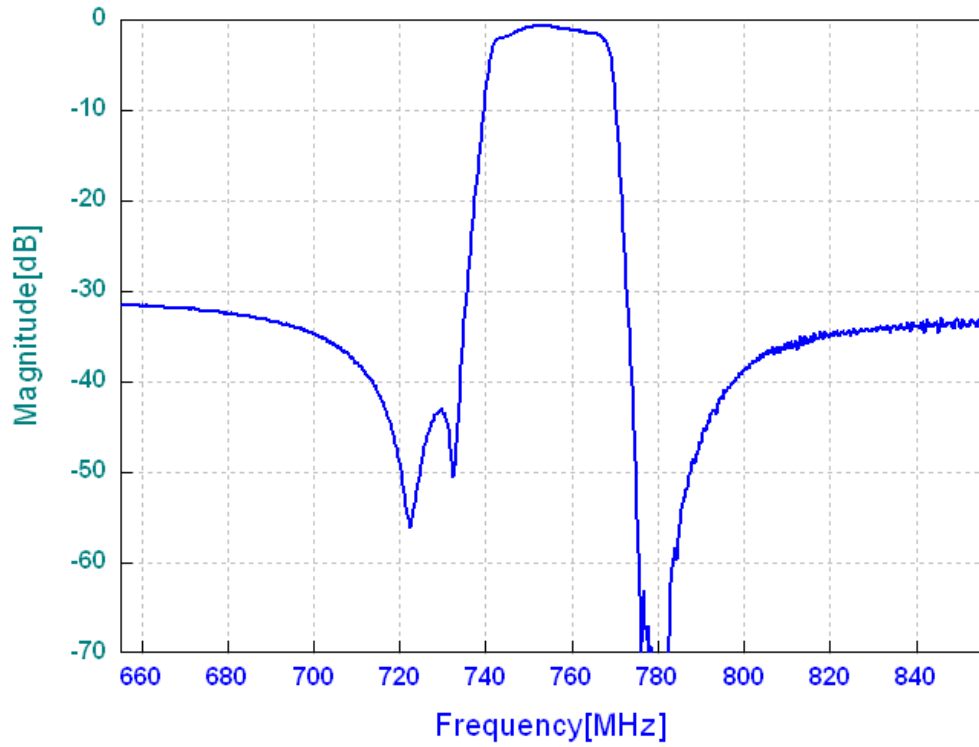
□ Testing Environment



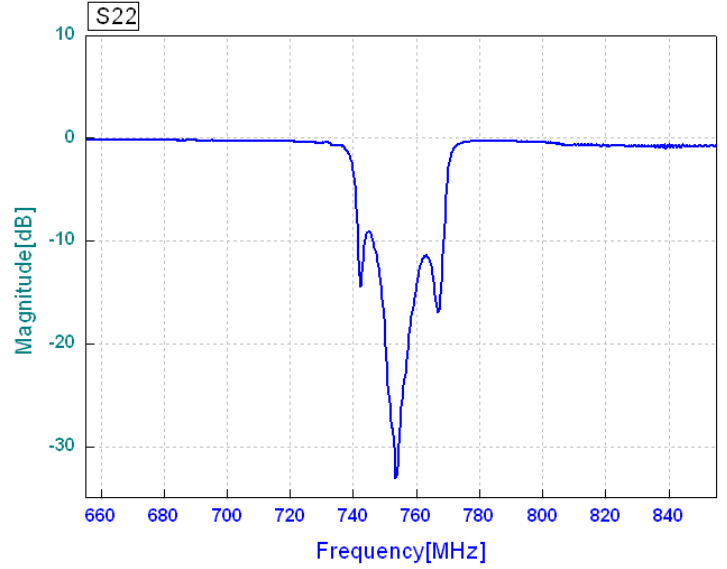
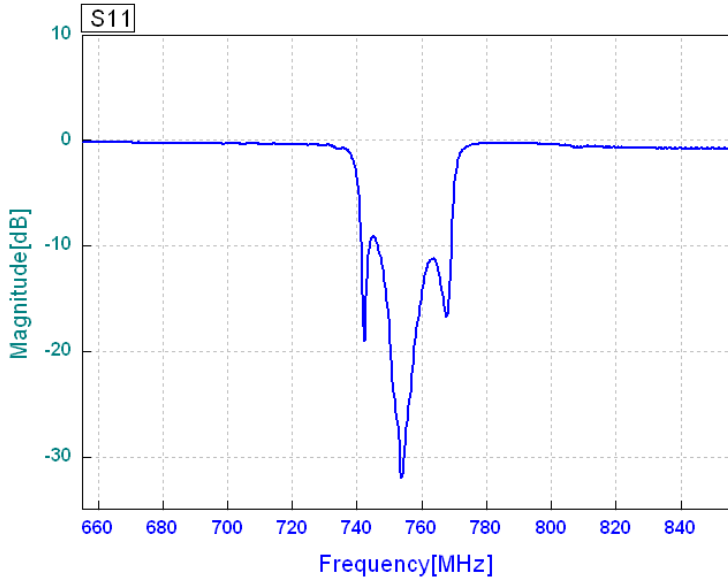
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



Return Loss



Smith Chart

