

1747 MHz SAW Filter

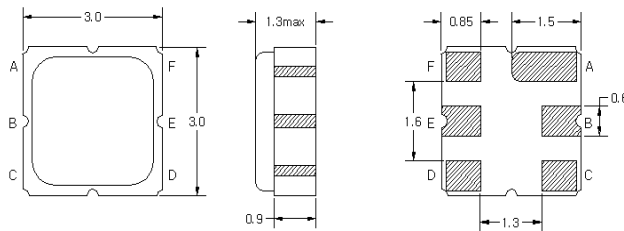
165837

Specifications

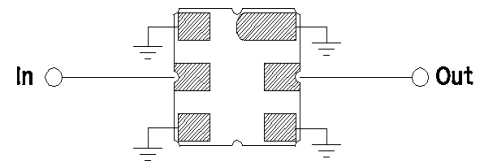
Parameter	Unit	Min	Typical	Max
Center Frequency (Fo)	MHz	-	1747.5	-
Insertion Loss within 1710 ~ 1785 MHz	DB	-	3.2	4.0
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Operating Temperature Range	$^{\circ}\text{C}$	-20	-	+70
Amplitude Ripple within 1710 ~ 1785 MHz	$\text{dB}_{\text{p-p}}$	-	1.9	2.5
Attenuation:				
D.C. ~ 1670 MHz	dB	18	23	-
1670 ~ 1690 MHz	dB	15	25	-
1805 ~ 1880 MHz	dB	5	8	-
1880 ~ 4500 MHz	dB	20	25	-
4500 ~ 5200 MHz	dB	15	20	-
VSWR within 1710 ~ 1785 MHz	-	-	3.0	3.5
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	5
Package type & size				
Length X Width	mm^2	-	3.0 X 3.0	-
Height	mm	-	-	1.3

Notes: ⁽¹⁾ With Matching Network (Ref. Testing Environment Circuit as shown below).

Package Outline



Testing Environment



Source & Load Impedance: 50 Ω

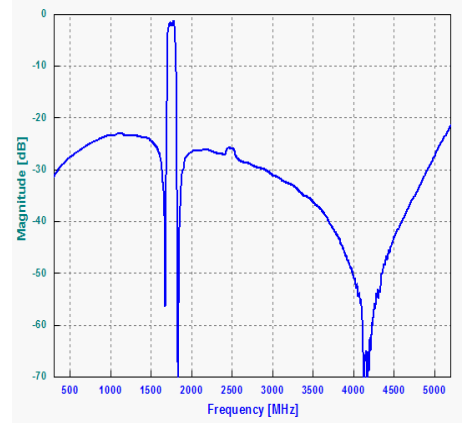
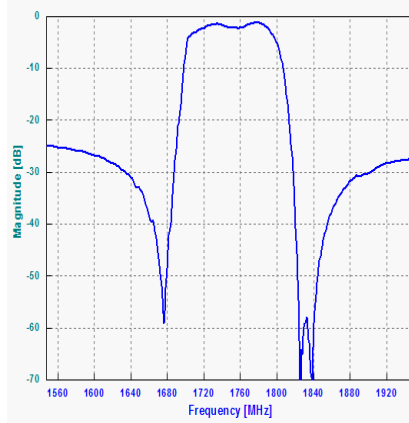
PIN Descriptions	
IN	E
Out	B
Ground	A,C,D,F

1747 MHz SAW Filter

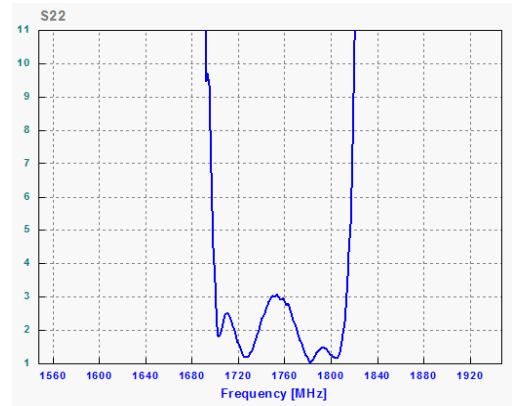
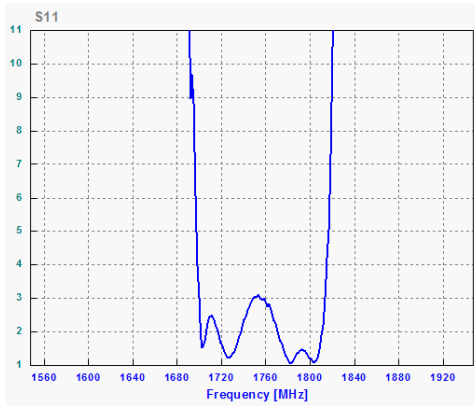
165837

SAW PRODUCTS

Frequency Response



VSWR



Smith Chart

