

1842 MHz SAW Filter

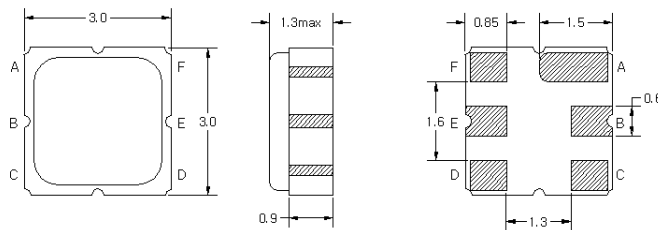
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Specifications

Parameter	Unit	Min	Typical	Max
Center Frequency (Fo)	MHz	-	1842.5	-
Insertion Loss within 1805 ~ 1880 MHz	DB	-	2.3	4.0
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Operating Temperature Range	$^{\circ}\text{C}$	-30	-	+80
Amplitude Ripple within 1805 ~ 1880 MHz	$\text{dB}_{\text{p-p}}$	-	1.3	2.5
Attenuation:				
D.C. ~ 1500 MHz	dB	20	25	-
1600 ~ 1710 MHz	dB	22	27	-
1710 ~ 1785 MHz	dB	10	18	-
1920 ~ 3120 MHz	dB	25	30	-
3120 ~ 4000 MHz	dB	17	26	-
Input/Output VSWR within 1805 ~ 1880 MHz	-	-	2.0	2.5
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Package type & size				
Length X Width	mm^2	-	3.0 X 3.0	-
Height	mm	-	-	1.3

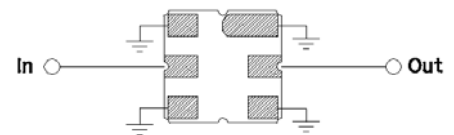
Notes: ⁽¹⁾ With Matching Network (Ref. Testing Environment Circuit as shown below).

Package Outline



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

Testing Environment



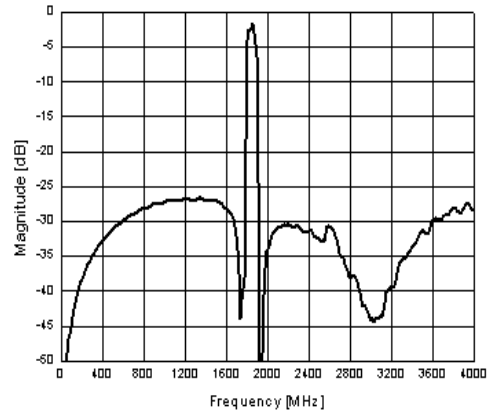
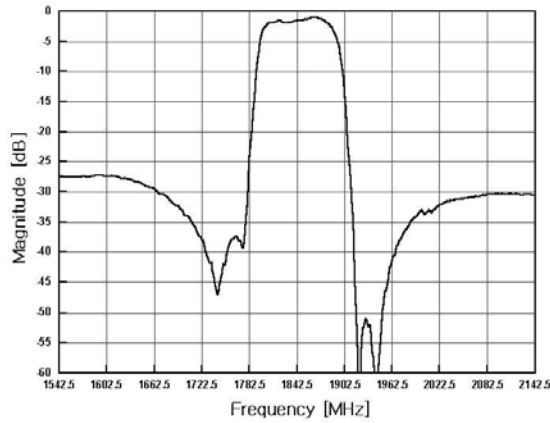
Source & Load Impedance: 50 Ω

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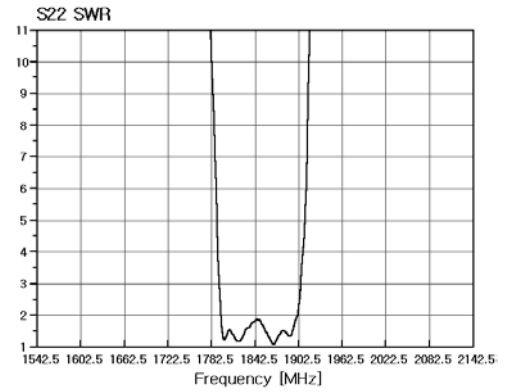
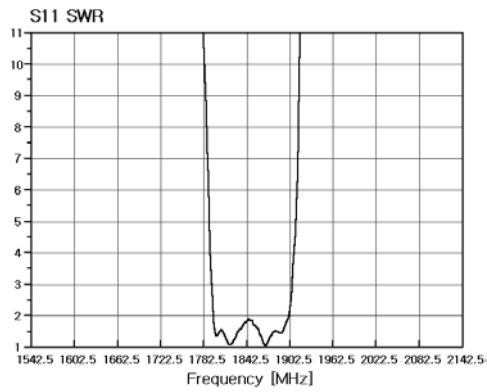
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SAW PRODUCTS

Frequency Response



VSWR



Smith Chart

