



Total Solution Provider in Saw Device

SA1855DM

K-PCS, RF-Rx SAW Filter
Revision 0: January 2002



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

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□ Electrical Characteristics

Maximum Ratings

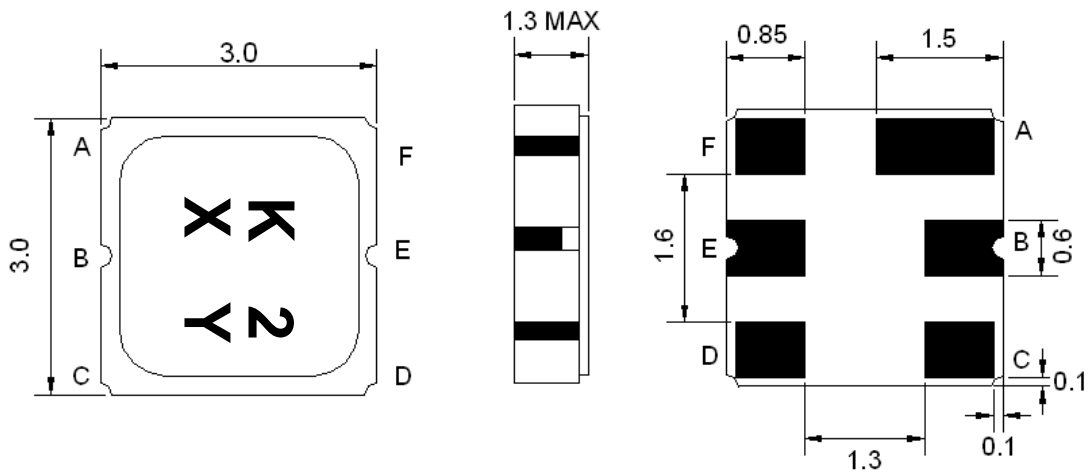
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	7.5
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
Length x Width	mm ²	-	3.0 x 3.0	-
Height	mm	-	-	1.3

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1855	-
Insertion Loss 1840~1870 MHz	dB	-	2.3	3.0
Amplitude Ripple within 1840~1870 MHz	dB _{p-p}	-	0.8	1.5
Attenuation:				
1440 ~ 1470 MHz	dB	35	43	-
1750 ~ 1780 MHz	dB	35	40	-
1930 ~ 1960 MHz	dB	40	45	-
2240 ~ 2270 MHz	dB	40	48	-
VSWR (1840~1870 MHz)	-	-	1.6	2.0

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

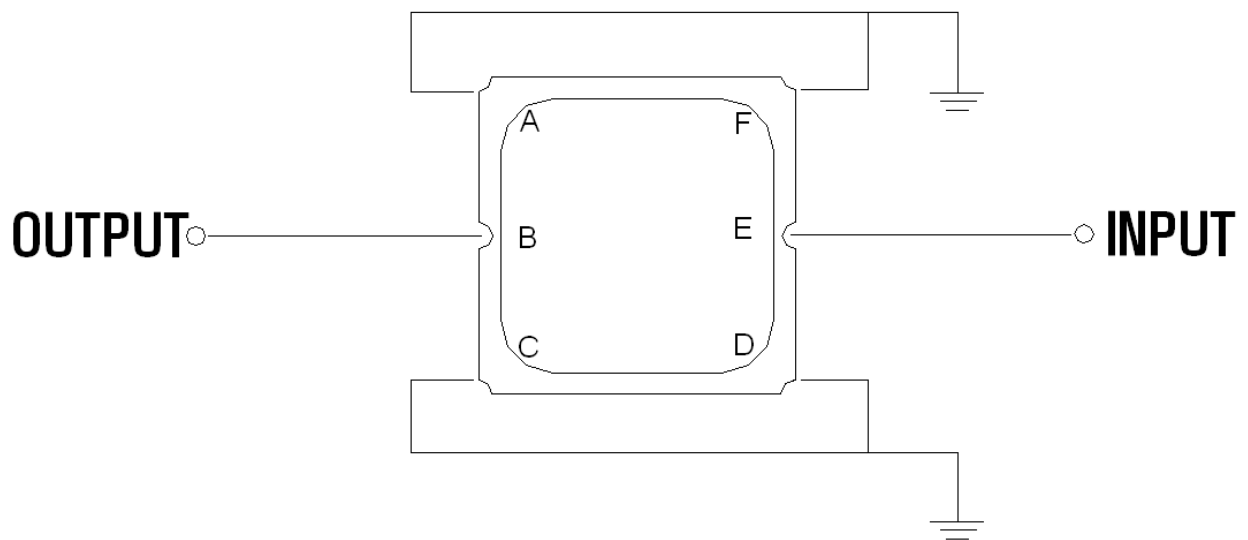
Package Dimensions



Marking Descriptions	
K	Application(K-PCS)
2	Series Number
X	Date Code(Year)
Y	Date Code(Month)

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

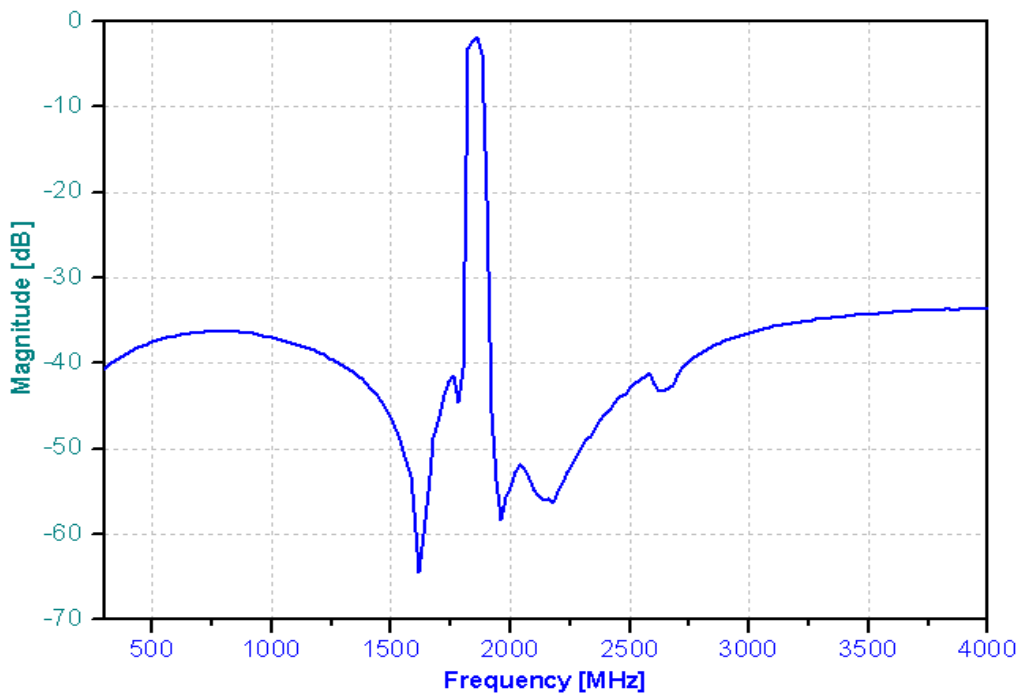
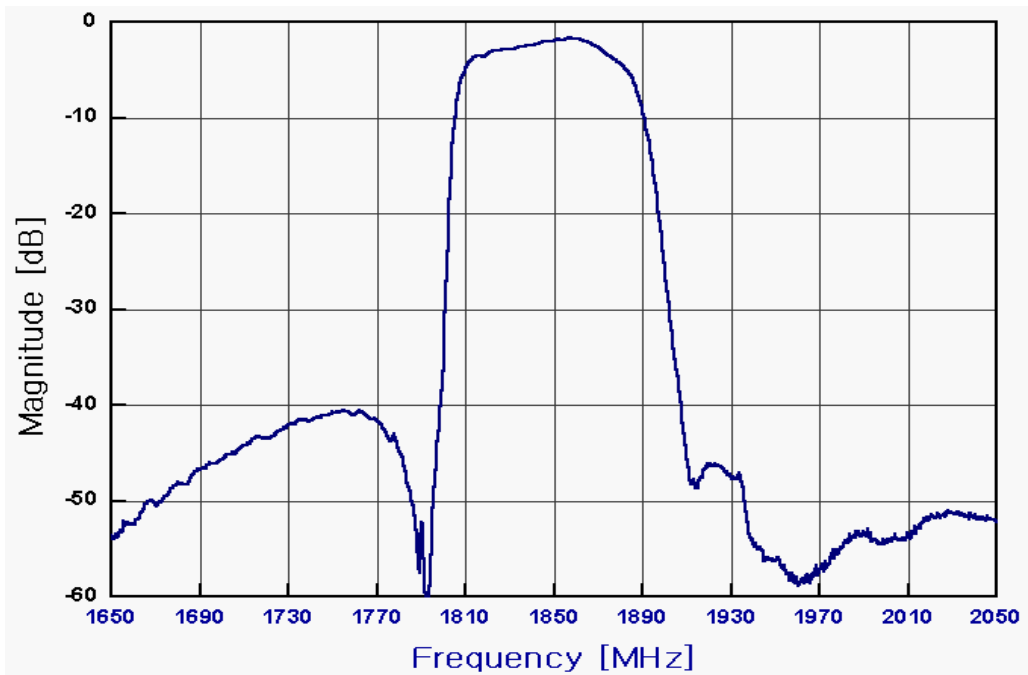
Testing Environment



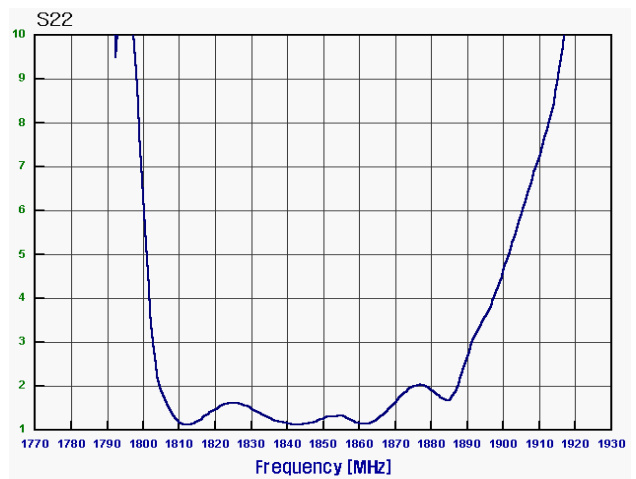
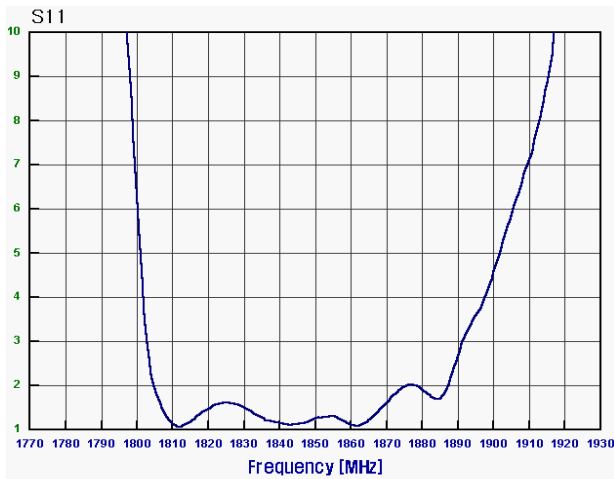
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

