

- K-PCS, RF-Tx SAW Filter
- Revision 0:

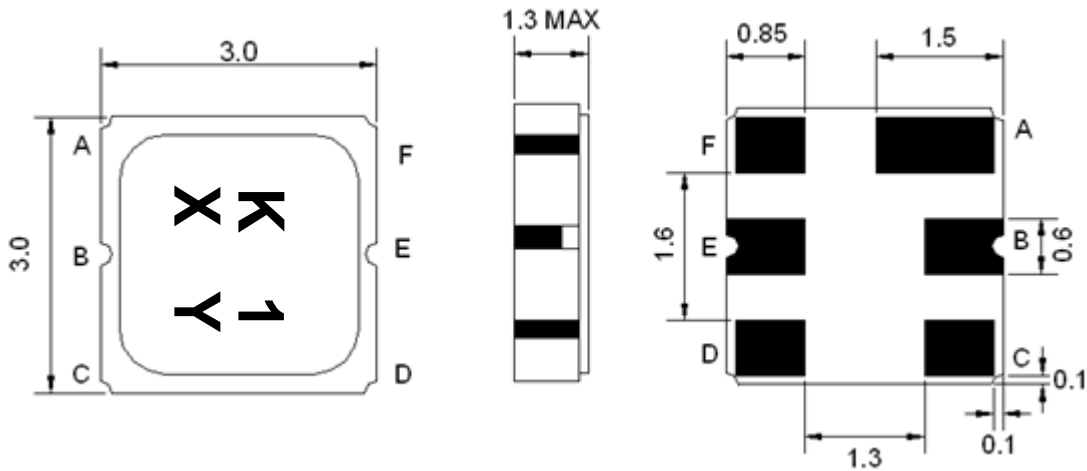
Electrical Characteristics

MAXIMUM RATING				
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	-	1765	-
Insertion Loss (1750~1780 MHz)	dB	-	2.4	3.2
Amplitude Ripple within 1750~1780 MHz	dB _{p-p}	-	1.0	1.5
Attenuation:				
1350 ~ 1380 MHz	dB	35	40	-
1660 ~ 1690 MHz	dB	35	40	-
1840 ~ 1870 MHz	dB	40	45	-
2150 ~ 2180 MHz	dB	40	50	-
VSWR (1750~1780 MHz)	-	-	1.6	2.0

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

Package Dimensions



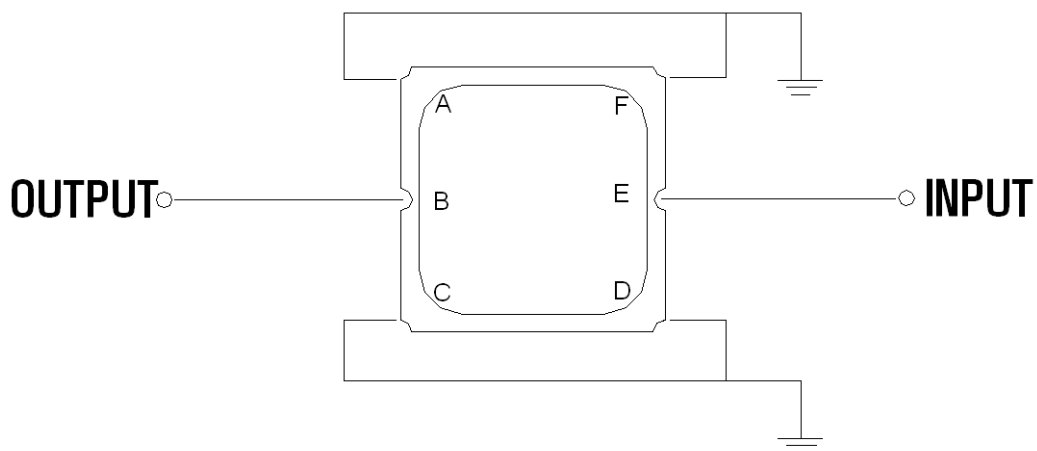
Marking Descriptions

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

Pin Description

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

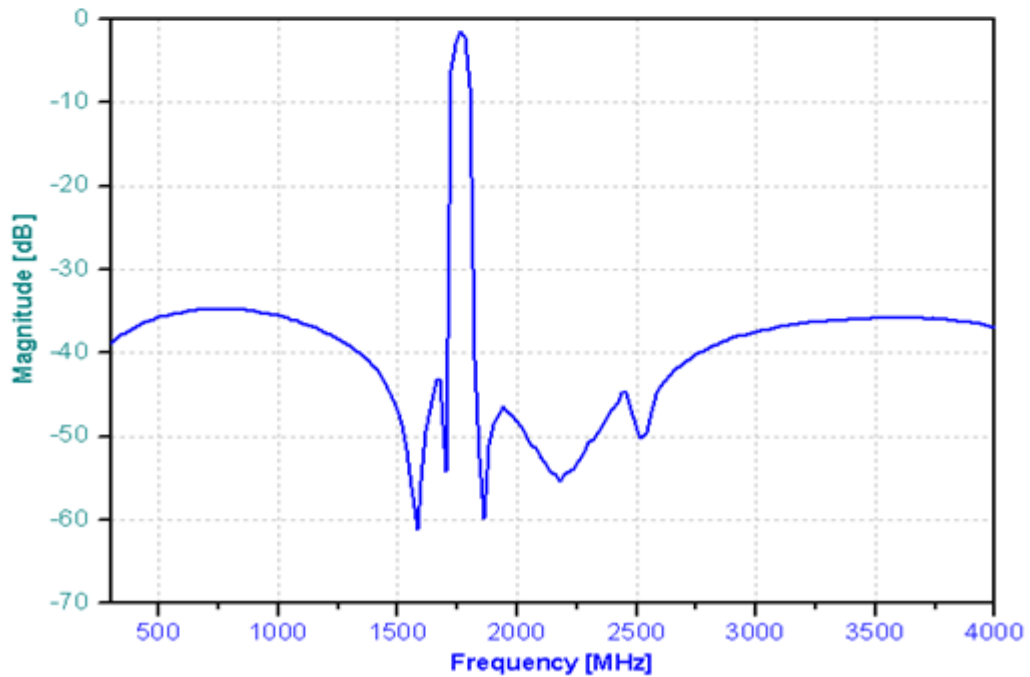
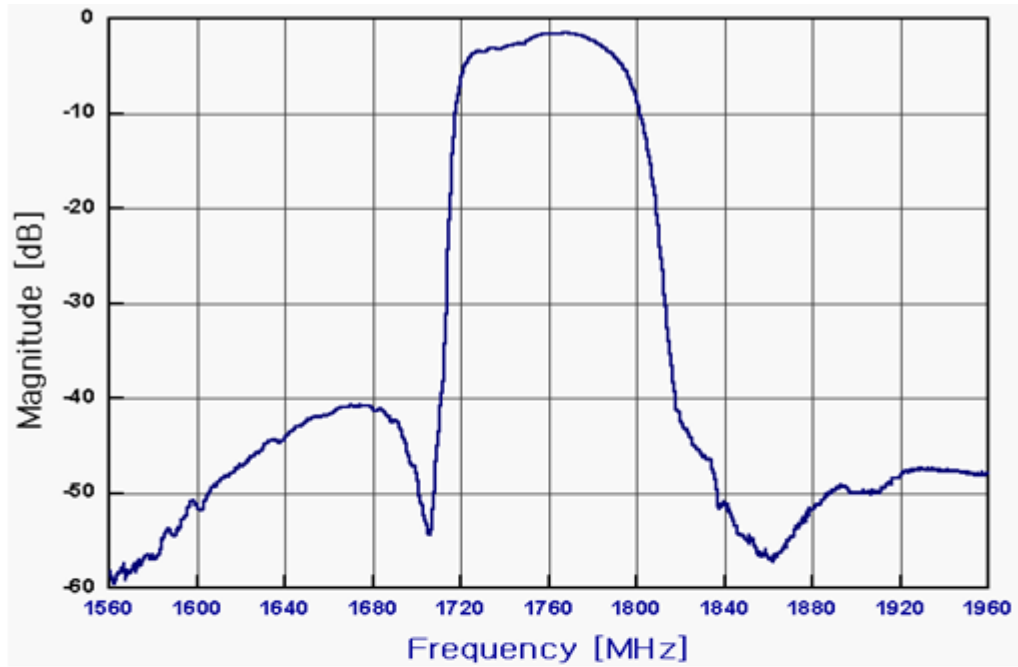
Testing Environment



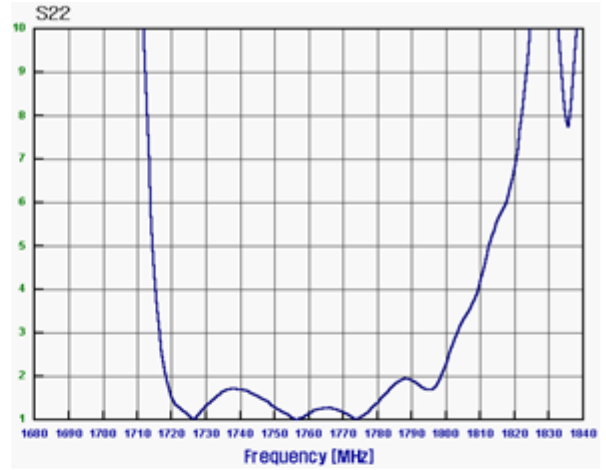
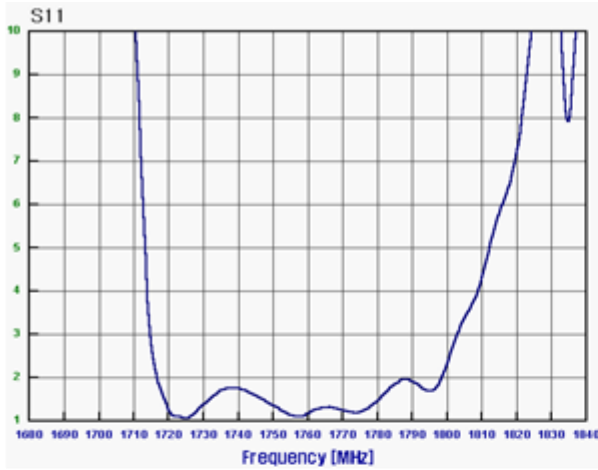
Source & Load Impedance: 50 Ω

Frequency Characteristics

Frequency Response



VSWR



Smith Chart

