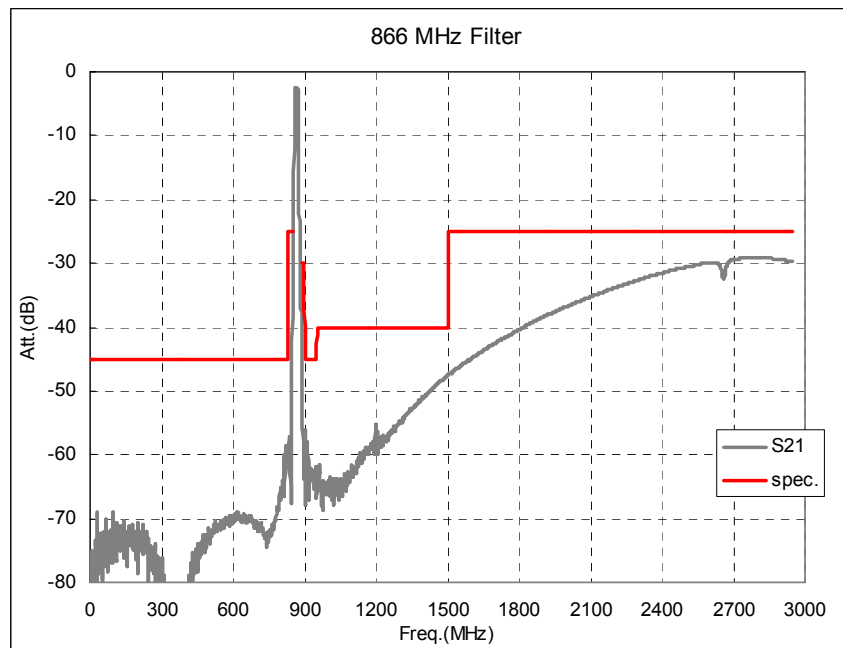
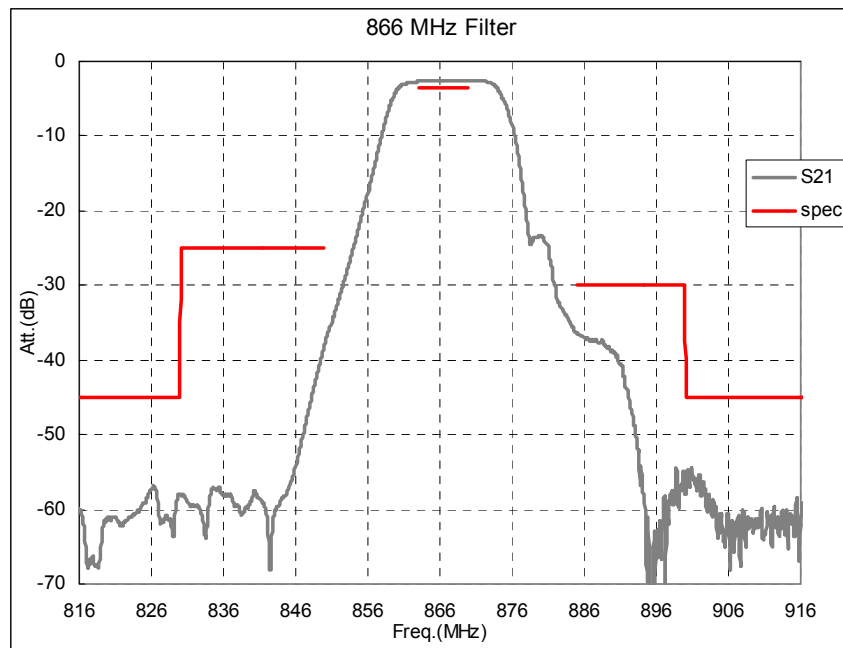


DESCRIPTION

- 866 MHz SAW filter with a 19 MHz typical 3dB bandwidth.
- 3 mm Square LCC Package.
- RoHS compliant.

TYPICAL PERFORMANCE



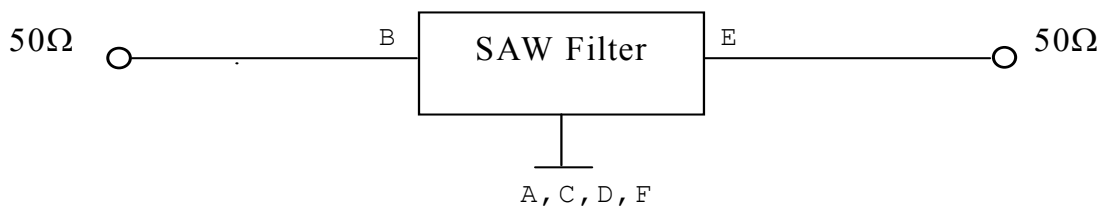
SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹	-	866	-	MHz
Maximum Insertion Loss at Fc	-	2.7	3.5	dB
Amplitude Ripple (863 to 870 MHz)	-	1	1.3	dB p-p
Attenuation (Reference level from maximum insertion loss)				
10 to 830 MHz	45	52	-	dB
830 to 850 MHz	22	27	-	dB
885 to 905 MHz	27	32	-	dB
905 to 950 MHz	45	50	-	dB
950 to 1500 MHz	40	45	-	dB
1500 to 3000 MHz	25	30	-	dB
3000 to 6000 MHz	20	25	-	dB
6000 to 12750 MHz	15	18	-	dB
In/Out VSWR (863 to 870 MHz)	-	1.75	2	:1
Source Impedance	-	50	-	ohms
Load Impedance	-	50	-	ohms
Temperature Coefficient of Frequency	-	-36	-	ppm/°C
Ambient Temperature	-	25	-	°C

MAXIMUM RATINGS

Parameter	Min	Max	Units
Storage Temperature Range	-30	85	°C
Operating Temperature	-25	70	°C
Input Power Level	-	12	dBm
DC Voltage	-	3	V

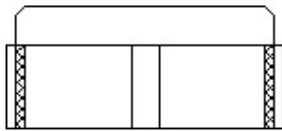
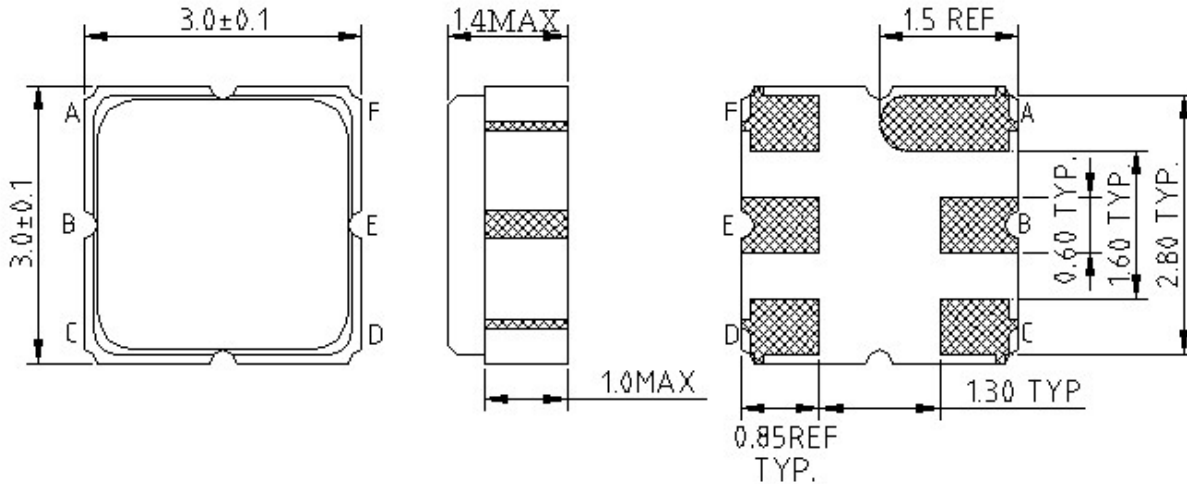
MATCHING CIRCUIT



Notes:

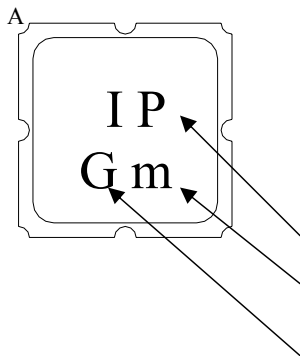
1. Filter to operate in a single ended system.
2. External matching components are not required.

PACKAGE OUTLINE



B INPUT
E OUTPUT
A,C,D,F GROUND
DIMENSION : mm

MARKING



Model Identification: IP = SF0866BA02621S

Week Code: A through Z followed by a through z equals 52 weeks.

Year Code: A = 2001, B=2002, C=2003, to J=2010 (Code A through J repeats every 10 years)

ISO 9001
Registered

All specifications are believed to be accurate and reliable. However, Spectrum Microwave reserves the right to make changes without notice.
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