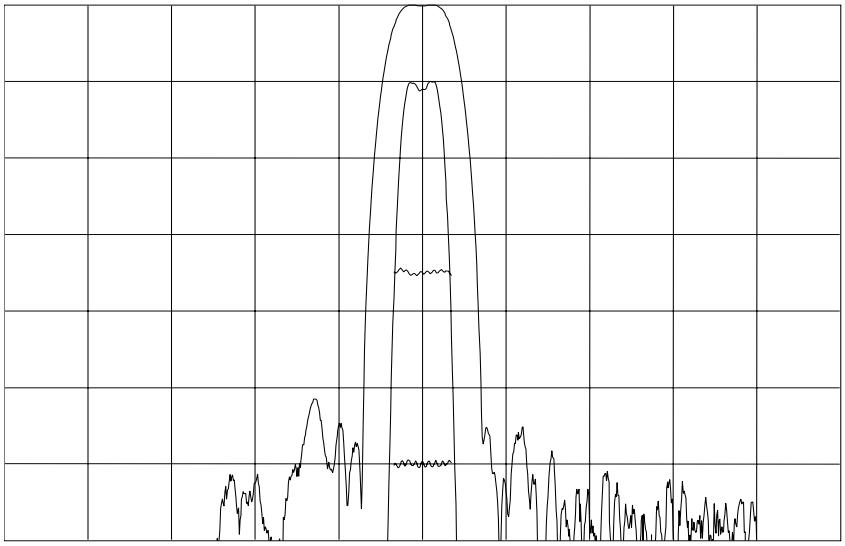
185.76 MHz SAW Bandpass Filter
4.48 MHz bandwidth
Part Number SF0185BA02302S

TYPICAL PERFORMANCE



Horizontal: 8 MHz/div

Vertical (from top):

Magnitude	10	dB/div
Magnitude	1	dB/div
Phase Linearity	5	deg/div
Group Delay Deviation	50	ns/div

SPECIFICATION

Parameter		Min	Typ	Max	Units
Center Frequency (Fc) [1]			185.76		MHz
Insertion Loss	(at 25°C)			25.0	dB
Insertion Loss	(over temperature)			26.0	dB
Lower 3dB Point	(at 25°C)			183.52	MHz
Lower 3dB Point	(over temperature)			184.20	MHz
Upper 3dB Point	(at 25°C)	188.00			MHz
Upper 3dB Point	(over temperature)	187.67			MHz
Passband Ripple	(at 25°C)			0.7	dB p-p
Passband Ripple	(over temperature)			1.0	dB p-p
Phase Ripple	(at 25°C)			2.0	deg p-p
Phase Ripple	(over temperature)			3.0	deg p-p
Group Delay Variation	(at 25°C)			32	nsec p-p
Group Delay Variation	(over temperature)			40	nsec p-p
Triple Transit Suppression	(at 25°C)	48.5			dB
Triple Transit Suppression	(over temperature)	45.0			dB
Rej'n (165.72-176.22 MHz)	(at 25°C)	42			dB
Rej'n (165.72-176.22 MHz)	(over temperature)	40			dB

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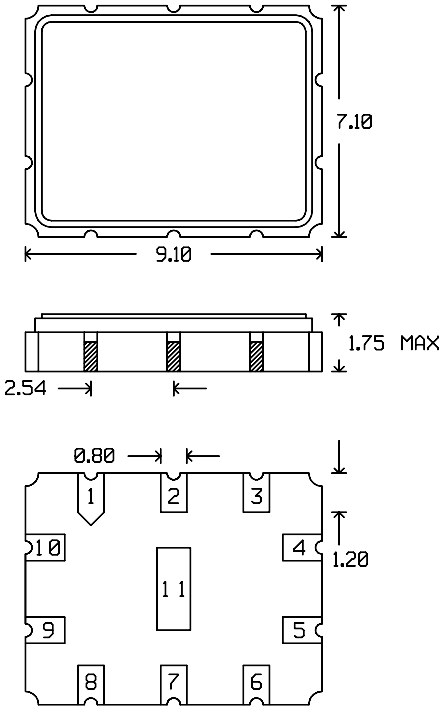
Rej'n (195.22-205.72 MHz)	(at 25°C)	42			dB
Rej'n (195.22-205.72 MHz)	(over temperature	40			dB
Rej'n (150.72-165.72 MHz)	(at 25°C)	52			dB
Rej'n (150.72-165.72 MHz)	(over temperature)	50			dB
Rej'n (205.72-220.72 MHz)	(at 25°C)	52			dB
Rej'n (205.72-220.72 MHz)	(over temperature)	50			dB
Rej'n (80-150 MHz)	(at 25°C)	40			dB
Rej'n (80-150 MHz)	(over temperature)	36			dB
Rej'n (220.72-280 MHz)	(at 25°C)	40			dB
Rej'n (220.72-280 MHz)	(over temperature)	36			dB
Source and Load Impedance			50		Ω
Input Power			+10	+15	dBm
Operating Temperature Range		-40	25	85	° C

Notes: 1. Any specified bandwidths are referenced to this frequency.

PACKAGE OUTLINE



Units: mm

Pad Configuration:
Input: 9
Input Return: 8
Output: 4
Output Return: 3
Ground: 1,2,5,6,7,10,11

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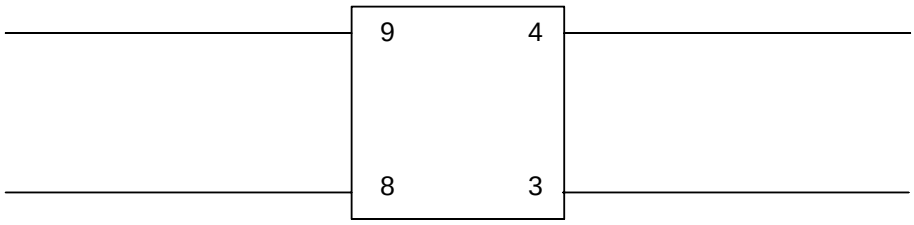
MATCHING CIRCUIT



Note:

- External matching components are not required.

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