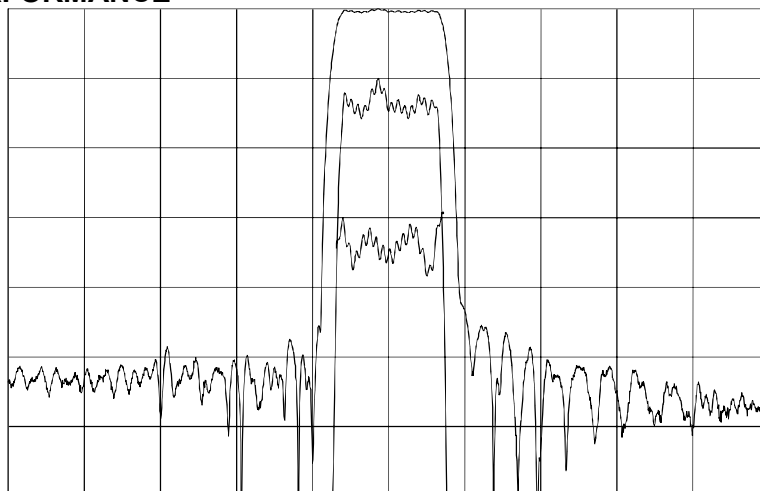




**Integrated
Circuit
Systems, Inc.**

**426 MHz SAW Bandpass Filter
4.9 MHz bandwidth
Part Number SF0426BA02365S**

TYPICAL PERFORMANCE



Horizontal: 4 MHz/div

Vertical (from top):

Magnitude

10 dB/div

Magnitude

1 dB/div

Phase Linearity

5 deg/div

SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹		426.00		MHz
Minimum Insertion Loss			22.0	dB
Lower 1 dB band Edge Point			423.56	MHz
Upper 1 dB Band Edge Point	428.44			MHz
Lower 3 dB Band Edge Point			423.31	MHz
Upper 3 dB Band Edge Point	428.69			MHz
Lower 40 dB Band edge Point	422.13			MHz
Upper 40 dB Band Edge Point			429.92	MHz
Rejection (417.5 to 421.5 MHz)	44			dB
Rejection (430.7 to 436 MHz)	44			dB
Rejection (100 to 417.5 MHz)	48			dB
Rejection (436 to 500 MHz)	48			dB
Passband Ripple (423.56 to 428.44 MHz)			1	dB
Phase Ripple (423.56 to 428.44 MHz)			7.5	deg p-p
Group Delay Variation (423.56 to 428.44 MHz) ⁴			130	ns p-p
Triple Transit Suppression		40		dB
Source and Load Impedance		50		Ω
Input Power			+10	dBm
Operating Temperature Range	10	23	70	$^{\circ}$ C

- Notes:
1. Average of the lower and upper 3 dB band edge frequencies.
 2. Specifications apply over operating temperature with filter matched to 50 ohms.
 3. All dB values are measured relative to the minimum insertion loss.
 4. A smoothing aperture of 0.125 MHz is to be used for this measurement.

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