



### GENERAL DESCRIPTION

This family of SAW (surface acoustic wave) filters provides exceptionally low amplitude and phase ripple to meet the demanding needs of broadband access and cable router applications. The filters are available in standard bandwidths for international cable standards (typically from 6MHz to 8MHz) and custom bandwidths up to 70MHz. Available center frequencies include standard and custom center frequencies up to 480MHz. SMT and DIP packages are available.

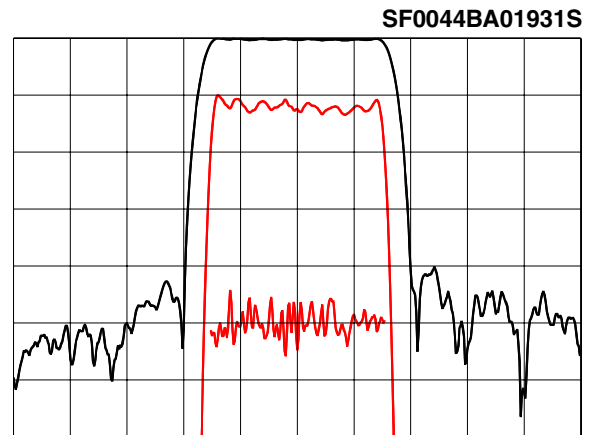
### APPLICATIONS

- Digital Cable Television Systems
- CMTS (Cable Modem Termination Systems)
- Broadband Access (customized to unique requirements)
- Satellite Communications

### FEATURES

- Standard bandwidths for international cable standards
- High selectivity for spurious rejection
- Low amplitude ripple for higher order modulation systems
- Standard and custom center frequencies up to 480MHz (Specify center frequency at time of order)
- Insertion loss ranging from 21.5dB to 27dB
- Packages inc.: SMT, DIP-FA or DIP-A, DIP-O, or DIP-BT

### TYPICAL RESPONSE



Horizontal: 2.5 MHz/div; Center Frequency: 44 MHz  
Vertical: 10dB/div (amp); 1dB/div (amp); 20ns/div (delay)

### SAW FILTERS FOR BROADBAND ACCESS

Part Number	Frequency (MHz)	Bandwidth (MHz)	Insertion Loss (dB)	Package (mm)	Primary Application
SF0036BA01932S	36	8	21.5	SMT, 25x9	CMTS
SF0038BA01943T	38	6	25	DIP-FA, 35x20	CMTS
SF0044BA01930S	44	6	21.5	SMT, 25x9	CMTS
SF0044BA01931S	44	8	25	SMT, 25x9	CMTS
SF0044BA55079T	44	5.5	22	DIP-BT, 27x12.6	CMTS
SF0044BA01944T	44.125	8	25	DIP-FA, 35x20	Broadband Access
SF0067BA01807T	67.3	10.5	24	DIP-A, 35x20	Broadband Access
SF0070BA02178T	70	3	27	DIP-O, 22x13	CMTS
SF0070CF51549T	70	3.5	27	DIP-O, 22x13	CMTS
SF0070BA02186T	70	4.5	26	DIP-O, 22x13	CMTS
SF0070BA02185T	70	6.5	27	DIP-O, 22x13	CMTS
SF0140CD02198T	140	8.5	23.5	DIP-O, 22x13	CMTS
SF0160BA02299S	160	8.2	21	SMT, 13.3x6.5 12pads	Broadband Access
SF0480CF01977S	480	70	26	SMT, 9x7	Satellite Comm