



RMS

FILTERS



CATV Broadband Products

■ Connectors

- Trunk series
- Drop series
- Adapters

■ Filters

- High-pass
- Low-pass
- Band-rejection
- Band-pass
- RSA attenuator
- Windows



CERTIFICATE NO.4991

Highpass Filter

CATV Broadband Networks
Return Path Filter



Developed For Digital Broadband Communications Applications

HP47G Highpass Filter

The easiest and most effective method of limiting the amount of noise and ingress that enters a cable network from a subscriber home is to install a high pass filter.

RMS's new generation of mini size highpass filter pass all frequencies above a desired cutoff frequency with a minimum amount of insertion loss. There is a minimum frequency band between the passband and the stopband to allow for the transition.

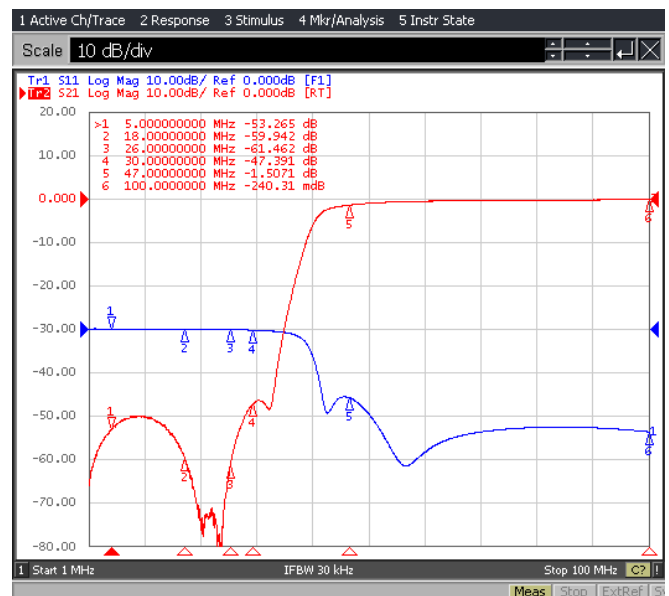
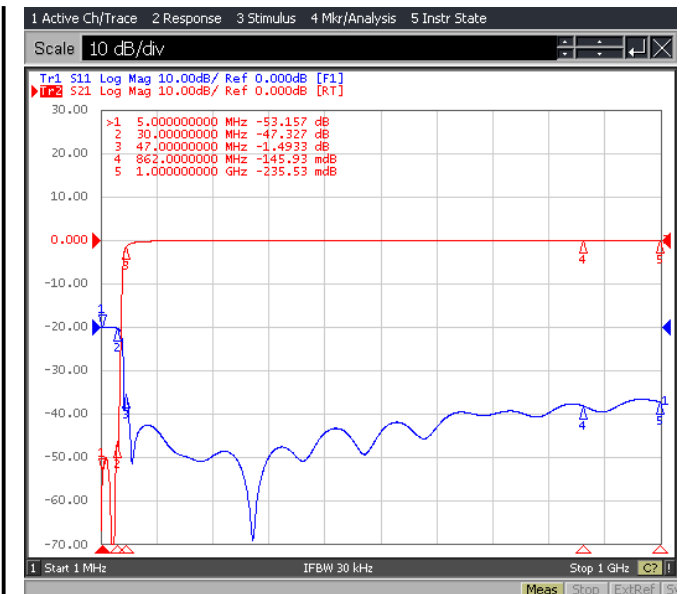
Ordering Information

Model Number	Passband (MHz)	Stopband (MHz)
31-HP47G	47 – 1000	0 - 35

Pass Band Insertion Loss: -1dB, -1.5dB @ cutoff frequency
 Pass Band Return Loss: -18dB
 Stopband Attenuation: -45dB
 Temperature Range: -40° to +60° C
 Impedance: 75 Ohms
 Connectors "F" Type

Female , Male , with "F", "IEC", PG11 and 3.5/12 Connector Versions Available

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CERTIFICATE NO. 4991

Highpass Filter

CATV Broadband Networks
Return Path Filter



Developed For Digital Broadband Communications Applications

HP54G Highpass Filter

The easiest and most effective method of limiting the amount of noise and ingress that enters a cable network from a subscriber home is to install a high pass filter.

RMS's new generation of mini size highpass filter pass all frequencies above a desired cutoff frequency with a minimum amount of insertion loss. There is a minimum frequency band between the passband and the stopband to allow for the transition.

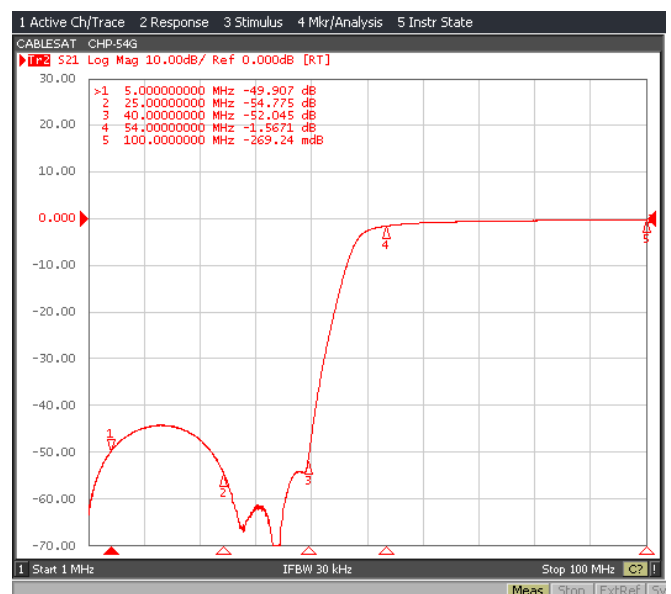
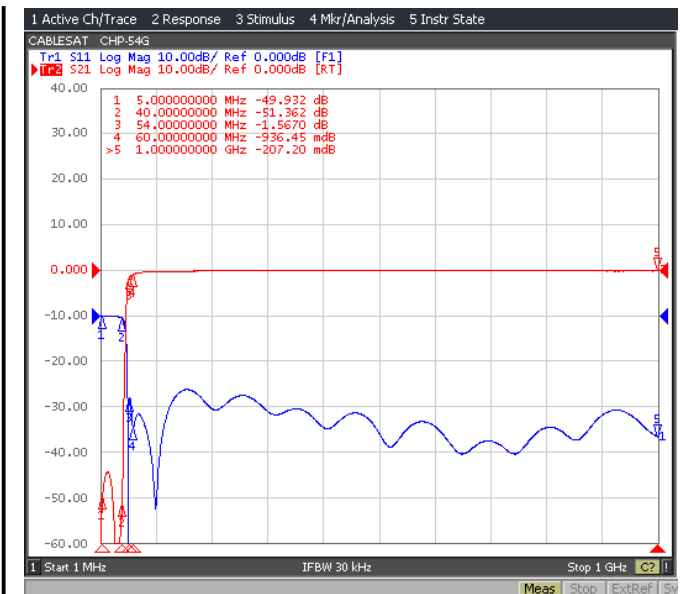
Ordering Information

Model Number	Passband (MHz)	Stopband (MHz)
31-HP54G	54 – 1000	0 - 40

Pass Band Insertion Loss: -1dB, -1.5dB @ cutoff frequency
 Pass Band Return Loss: -18dB
 Stopband Attenuation: -45dB
 Temperature Range: -40° to +60° C
 Impedance: 75 Ohms
 Connectors "F" Type

Female , Male , with "F", "IEC", PG11 and 3.5/12 Connector Versions Available

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Highpass Filter

CATV Broadband Networks
Return Path Filter



Developed For Digital Broadband Communications Applications

HP88G Highpass Filter

The easiest and most effective method of limiting the amount of noise and ingress that enters a cable network from a subscriber home is to install a high pass filter.

RMS's new generation of mini size highpass filter pass all frequencies above a desired cutoff frequency with a minimum amount of insertion loss. There is a minimum frequency band between the passband and the stopband to allow for the transition.

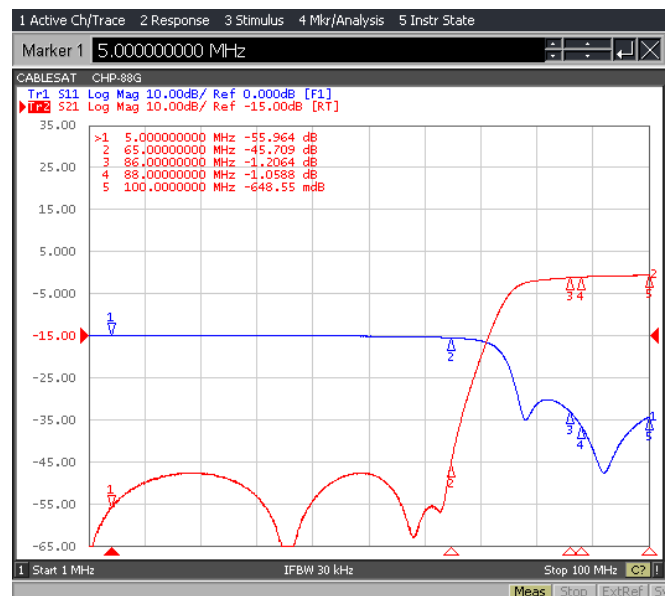
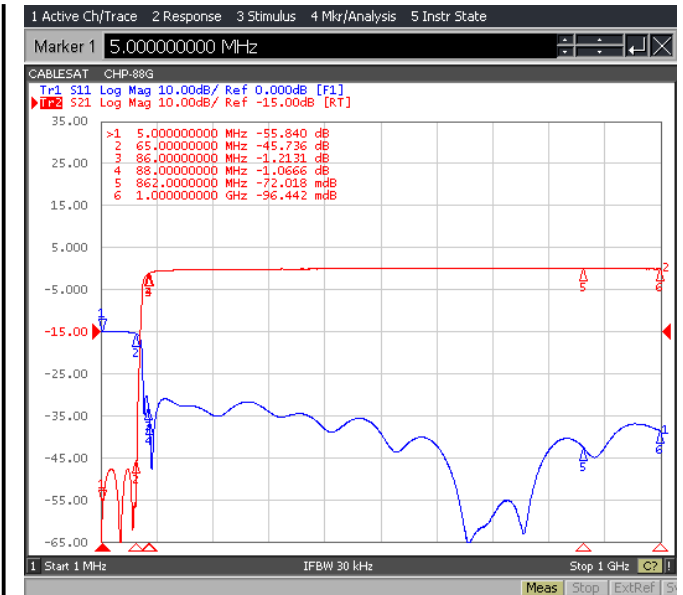
Ordering Information

Model Number	Passband (MHz)	Stopband (MHz)
31-HP88G	88 – 1000	0 - 65

Pass Band Insertion Loss: -1dB, -1.5dB @ cutoff frequency
 Pass Band Return Loss: -18dB
 Stopband Attenuation: -45dB
 Temperature Range: -40° to +60° C
 Impedance: 75 Ohms
 Connectors "F" Type

Female , Male , with "F", "IEC", PG11 and 3.5/12 Connector Versions Available

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RSA

CATV Broadband Networks Attenuators



Developed For Digital Broadband Communications Applications

RSA Return Path Step Attenuator

The Return Path Step Attenuator selective attenuation in the return band, the RSA allows the system operator to engineer the HFC network for optimized two way communications.

Ordering Information

Model Number	Attenuation	passband
31-RSA-3	3 dB	54 ~ 1000MHz
31-RSA-6	6 dB	54 ~ 1000MHz
31-RSA-9	9 dB	54 ~ 1000MHz
31-RSA-12	12 dB	54 ~ 1000MHz
31-RSA-15	15 dB	54 ~ 1000MHz
31-RSA-18	18 dB	54 ~ 1000MHz

Pass Band Insertion Loss: -1.5dB(max)@1GHz

Pass Band Return Loss: -18dB

Attenuation Band Flatness: +/- 1.0dB

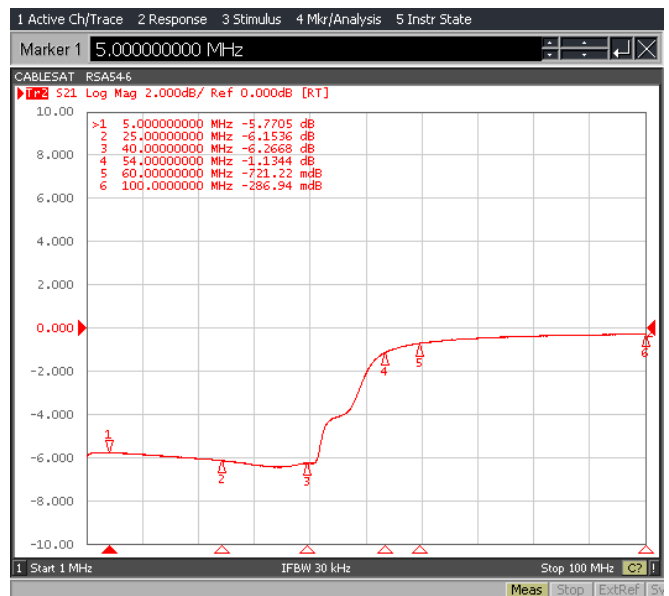
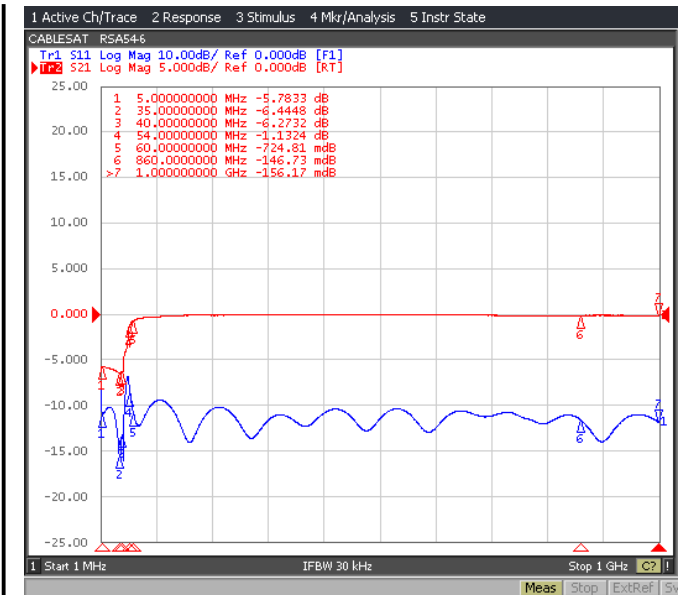
Temperature Range: -40° to +60° C

Impedance: 75 Ohms

Connectors "F" Type

Straight, Right angled, with "F", "IEC" Connector Versions Available

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Society of Cable Telecommunications Engineers



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Attenuator Pads

CATV Broadband Networks
Attenuators



Developed For Digital Broadband
Communications Applications

AP Series Precision Attenuators

Attenuator pads for applications
where attenuation of signal is required.

Ordering Information

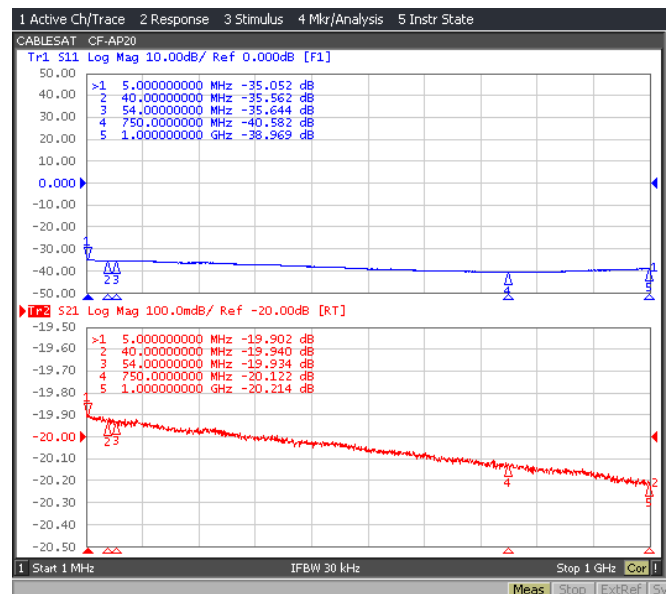
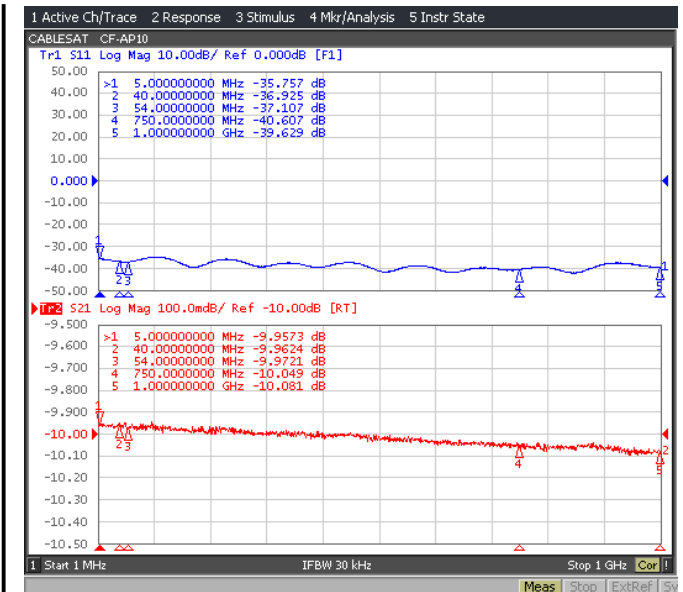
Part Numbers Attenuation Insertion Loss
5 – 1000 MHz
Flatness

31-AP01	1 dB	+/- 0.2dB
31-AP02	2 dB	+/- 0.2dB
31-AP03	3 dB	+/- 0.2dB
31-AP04	4 dB	+/- 0.2dB
31-AP05	5 dB	+/- 0.2dB
31-AP06	6 dB	+/- 0.2dB
31-AP07	7 dB	+/- 0.2dB
31-AP08	8 dB	+/- 0.2dB
31-AP09	9 dB	+/- 0.2dB
31-AP10	10 dB	+/- 0.2dB
31-AP11	11 dB	+/- 0.3dB
31-AP12	12 dB	+/- 0.3dB
31-AP13	13 dB	+/- 0.3dB
31-AP14	14 dB	+/- 0.3dB
31-AP15	15 dB	+/- 0.3dB
31-AP16	16 dB	+/- 0.3dB
31-AP17	17 dB	+/- 0.3dB
31-AP18	18 dB	+/- 0.3dB
31-AP19	19 dB	+/- 0.3dB
31-AP20	20 dB	+/- 0.3dB
31-AP30	30 dB	+/- 0.3dB

Return Loss: -22dB @ 5 – 1000 MHz
-14dB @ 1000 – 2400 MHz
Temperature Range: -40° to +60° C
Impedance: 75 Ohms
Connectors "F" Type

Female , Male , with "F", "IEC" Connector Versions Available

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Attenuator

CATV Broadband Networks
Attenuators



Developed For Digital Broadband Communications Applications

ATT Standard Attenuators

Attenuator pads for applications where attenuation of signal is required.

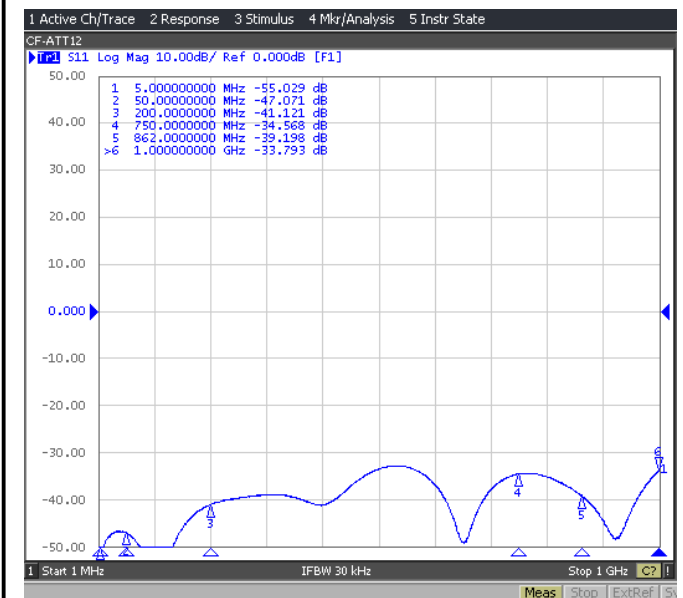
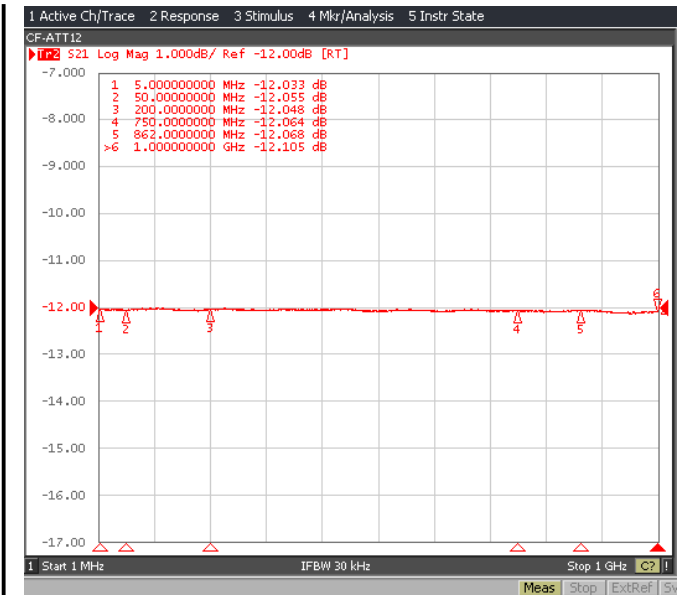
Ordering Information

Part Numbers	Attenuation	Insertion Loss 5 – 1000 MHz Flatness
31-ATT01	1 dB	+/- 0.3dB
31-ATT02	2 dB	+/- 0.3dB
31-ATT03	3 dB	+/- 0.3dB
31-ATT04	4 dB	+/- 0.3dB
31-ATT05	5 dB	+/- 0.3dB
31-ATT06	6 dB	+/- 0.3dB
31-ATT07	7 dB	+/- 0.3dB
31-ATT08	8 dB	+/- 0.3dB
31-ATT09	9 dB	+/- 0.3dB
31-ATT10	10 dB	+/- 0.3dB
31-ATT11	11 dB	+/- 0.3dB
31-ATT12	12 dB	+/- 0.3dB
31-ATT13	13 dB	+/- 0.3dB
31-ATT14	14 dB	+/- 0.3dB
31-ATT15	15 dB	+/- 0.3dB
31-ATT16	16 dB	+/- 0.3dB
31-ATT17	17 dB	+/- 0.3dB
31-ATT18	18 dB	+/- 0.3dB
31-ATT19	19 dB	+/- 0.3dB
31-ATT20	20 dB	+/- 0.3dB

Return Loss: -16dB @ 5 – 1000 MHz
Temperature Range: -40° to +60° C
Impedance: 75 Ohms
Connectors "F" Type

Female , Male , with "F", "IEC" Connector Versions Available

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