

Passive Distribution Components



LPF-230 In-Line Low Pass Filters

- Removes channels for insertion of security or other locally originated channels
- Passes channels below cutoff frequency
- Blocks higher channels allowing clean insertion of channels
- Frequency range 5~230MHz (LPF-230), 5~450MHz (LPF-450), 5~550MHz (LPF-550), 5~700MHz (LPF-700)
- Pass-band insertion Loss <0.5dB
- Stop-band rejection >50dB, SMD high stability
- High EMI shielded tube case
- Nickel plated precision brass threads
- Custom design available



Ordering Information

In-Line Low Pass Filters

LPF-230	5-230 MHz
LPF-450	5-450 MHz
LPF-700	5-700 MHz

Specifications

Bandwidth	LPF-230	LPF-450	LPF-700
Band Pass (MHz)	5~230MHz (CATV 2-24)	5~450MHz (CATV 2-62)	5~700MHz (CATV 2-108)
Band Stop (MHz)	300~1000MHz (CATV 36-158)	530~1000MHz (CATV 75-158)	800~1000MHz (CATV 125-158)
Insertion Loss			
Band Pass (dB)	<1.0	<1.0	<1.0
Band Stop (dB)	>50	>50	>50

UVSJ UHF-VHF Band Separator-Combiner

- Separates and isolates VHF (54~216MHz) from UHF high (470~809MHz) signals, providing for clean insertion into headend strip amplifier
- Filters and mixes VHF and UHF signals, allowing mixing of multiple antenna onto single cable
- Reduces harmonics and out of band interference for improved amplifier performance
- Low insertion loss 0.5dB max
- Impedance 75Ω
- VHF-Band DC power passive for remote preamplifier powering
- Machined F-connector threads
- Epoxy sealed back cover
- Yellow-chromate plated zinc diecast housing



Ordering Information

UVSJ	UHF-VHF Band Separator-Combiner
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Specifications

	Bandwidth	Rejection	Insertion Loss	Return Loss
Common	50~806MHz	-	-	-
VHF	54~216MHz	>30dB	<0.5dB	>15dB
UHF	470~806MHz	>42dB	<0.5dB	>15dB

TSEQ-2150 In-Line Slope Equalizer

- Slope equalizers compensate for long cable runs digital or analog applications
- High performance SMD board circuitry provides consistent performance
- Precision machined F-connector threads ensures smooth connector interface



Ordering Information

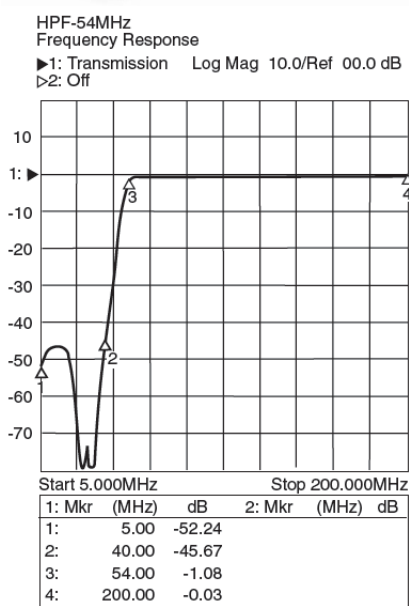
TSEQ-2150	Satellite IF Inline Slope Equalizer (Values: 6, 9, 12, 16dB)
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Specifications

Insertion Loss	40MHz	1GHz	2.1GHz
TSEQ-2150-6	6dB	3.52dB	1.8dB
TSEQ-2150-9	9dB	4.5dB	1.8dB
TSEQ-2150-12	12dB	5.5dB	1.8dB
TSEQ-2150-16	16dB	7dB	1.8dB

Bandwidth	40~2150MHz
Impedance	75Ω
DC Pass-Thru Current	500 mA max

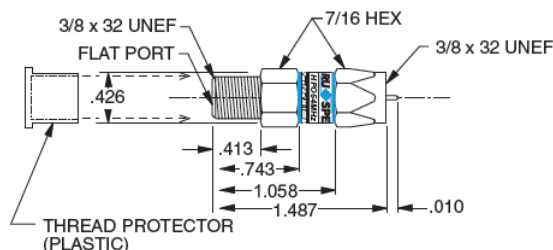
Passive Distribution Components



TRU-SPEC®
A PICO MACOM REGISTERED TRADEMARK

HPF-54MHz 54 MHz High-Pass Filter

- Prevents TV interference from cable-modem output signals
- Blocks ingress into upstream low-frequency (5~40MHz) path
- Frequency range 1~1000MHz
- High sub-band rejection >-40dB
- High return loss
- Insertion loss <0.5dB
- Rugged weatherproof construction
- Nickel plated precision machined brass



HPF-54MHz Dimensions

Specifications

Bandwidth (MHz)	5~15	5~40	54~100	100~550	550~750	750~860	860~1000
Insertion Loss							
BandPass(MHz)	N/A	N/A	1.5	0.3	0.3	0.3	0.3
BandStop(MHz)	40	40	N/A	N/A	N/A	N/A	N/A
Return Loss							
BandPass(dB)	N/A	N/A	20	20	20	20	20

Ordering Information

HPF-54MHz 54MHz High-Pass Filtered
HPF-xxMHz Custom Frequencies Available (Examples: HPF-35MHz or HPF-42MHz)