



# Cable Simulator Equalizer

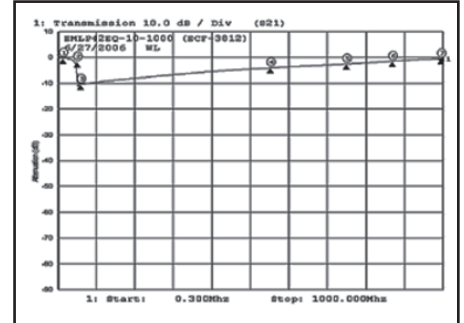
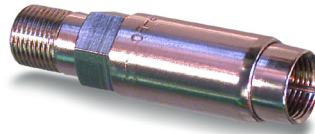
## ECS - Eagle Cable Simulator

A cable simulator will compensate for differential frequency losses across a length of cable by attenuating signal levels of higher frequencies until they equal signal levels of lower frequencies. The cable simulator is used in situations where there are excessive signal levels at the tap port and a short cable drop to the subscriber.

### Specifications

**TILT VALUES AVAILABLE:** -3dB, -6dB, -9dB, -12dB, -15dB, -18dB  
**UPPER FREQUENCY:** 870 MHz, 1000 MHz  
**INSERTION LOSS @ 55 MHz:** -0.5 dB max  
**TILT VARIATION:** ± 0.8 dB  
**IMPEDANCE:** 75 Ohms  
**TEMPERATURE RANGE:** -40° to +140° F

**Ordering Information:** ECS - tilt value - upper frequency.



ECS

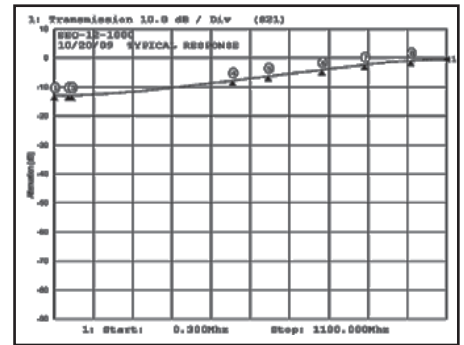
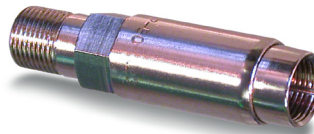
## EEQ - Eagle Equalizer

A drop equalizer will compensate for differential frequency losses across a length of cable by attenuating signal levels of lower frequencies until they equal signal levels of higher frequencies. Eagle offers two styles of drop equalizers with a variety of values. Model EEQ will balance the forward and return paths, allowing the signal level of the return source to be increased relative to ingress levels, which improves system reliability. Model EMLPEQ equalizes the lower frequencies of the forward path and has minimum insertion loss on the return path.

### Specifications

**TILT VALUES AVAILABLE:** -2dB, -4dB, -6dB, -8dB, -10dB, -12dB, -14dB, -16dB, -18dB  
**UPPER FREQUENCY:** 870 MHz, 1000 MHz  
**INSERTION LOSS UPPER FREQUENCY:** -1 dB max  
**TILT VARIATION:** ± 0.6 dB  
**IMPEDANCE:** 75 Ohms  
**TEMPERATURE RANGE:** -40° to +140° F

**Ordering Information:** EEQ - tilt value - upper frequency.



EEQ

## EMLP42EQ - Eagle Lowpass Equalizer

### Specifications

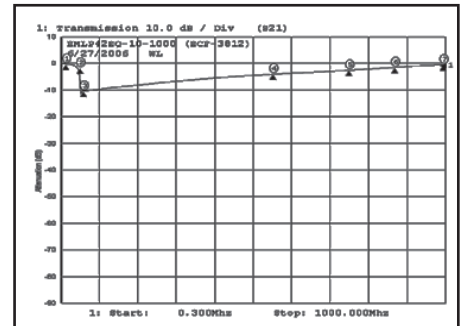
#### Lowpass Filter

**PASSBAND:** 0 - 42 MHz  
**INSERTION LOSS:** -2 dB max  
**INSERTION LOSS UPPER FREQUENCY:** -1 dB max  
**TILT VARIATION:** ± 0.5 dB (860 MHz)  
±1.0 dB (1000 MHz)  
**IMPEDANCE:** 75 Ohms  
**TEMPERATURE RANGE:** -40° to +140° F

**Ordering Information:** EMLP42EQ - tilt value - upper frequency of frequency range.

#### Equalizer

**FREQUENCY RANGE:** 55-860 MHz, 55 - 1000 MHz  
**TILT VALUES AVAILABLE:** -2dB, -4dB, -6dB, -8dB, -10dB, -12dB, -14dB



EMLP42EQ

**Custom Cable Simulators and Equalizers Available Per Request.**

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