

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

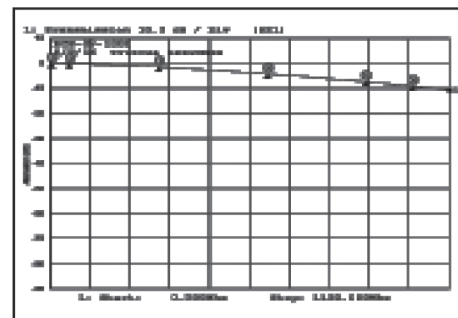
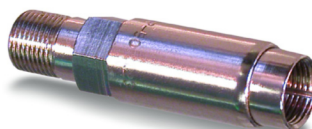
INSERTION LOSS @ 55 MHz: -0.5 dB max

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

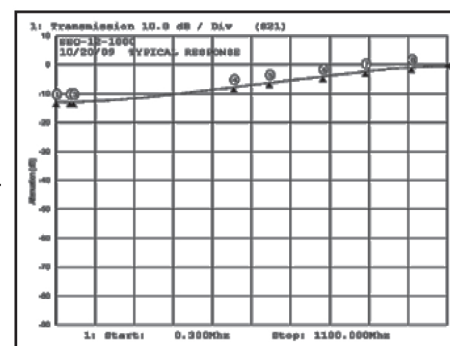
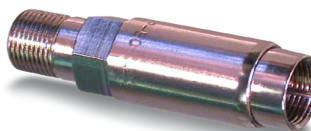
INSERTION LOSS UPPER FREQUENCY: -1 dB max

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.

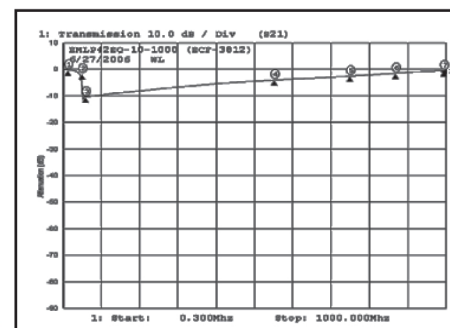
Equalizer

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.