

Line Loss Equalizer



RLC Electronics' line loss equalizers combine filter and attenuator technology for a flat overall response up to 18 GHz. When transmitting into a coax cable loss increases with frequency and cable length. This loss can become substantial when using broadband devices over long cable distances necessitating compensation to

ensure a flat response. By linearly decreasing loss as frequency increases RLC's line loss equalizers offer an effective solution to your line loss problem. With a minimum loss point as low as 1dB and wide variety of attenuation differentials you can compensate for a wide range of cable types and lengths

Specifications LLE⁻¹⁻²⁻³

Frequency Range	VSWR	Attenuation Differential	Linearity	Insertion Loss
10 MHz to 5GHz	1.5:1	Up to 20 dB from 1 to 3 octaves bandwidth	+/- .5 dB	As low as 1dB at Min loss point
5 GHz to 18 GHz	1.8:1		+/- .75 dB	

Impedance: 50 ohms

Environment: Mil-E-5400, class 1A
Except operating temperature -55 C to +85 C

- (1) Lower frequency/ upper frequency (in MHz)
- (2) Attenuation differential
- (3) Connectors R sma, N, T tnc, B bnc, male/ female

Example: LLE-2000/4000-8-R is an equalizer with 8dB of difference in attenuation between 2 and 4 GHz with SMA connectors.

Specifications subject to change without notification.

Specials requiring closer tolerances, different frequency ranges, special connectors different materials, finishes, etc. can be furnished upon request



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