

In-line Equalizer



22360

DESCRIPTION

The 550 MHz and 750 MHz in-line equalizers are passive devices that correct for excess down tilt caused by cable attenuation in the subscriber network.

These devices are contained in a rugged, powder-coated aluminum-alloy housing, and contain circuitry to permit equalization of the forward band while simultaneously passing the reverse band with no equalization.

In-line Equalizer

SPECIFICATIONS

| | Units | LEQ 550 | | LEQ 750 | |
|---------------------|-----------------|-----------|---------|----------------------|----------------------|
| Part Number | --- | 379956 | | 544185 | |
| Bandwidth Split | MHz | 30/46 | | 65/88 | |
| Frequency Range | MHz | 5-550 | | 5-750 | |
| Cable Equalization | dB | 10.5 | | Plug-in ¹ | |
| Power Passing | Amps | 6.0 | | 6.0 | |
| Hum Modulation | dBc | -70 @ 6 A | | -70 @ 6 A | |
| | Frequency (MHz) | Typical | Maximum | Typical ² | Maximum ² |
| Insertion Loss (dB) | 5 | 0.2 | 0.5 | 1.1 | 1.3 |
| | 15 | 0.3 | 0.6 | 0.7 | 1.2 |
| | 30 | 0.5 | 0.6 | --- | --- |
| | 46 | 0.6 | 0.6 | --- | --- |
| | 65 | --- | --- | 1.0 | 1.1 |
| | 88 | --- | --- | 11.3 | 11.4 |
| | 300 | 1.1 | 1.2 | 6.9 | 7.1 |
| | 450 | 1.1 | 1.2 | 5.3 | 5.5 |
| | 550 | 1.1 | 1.2 | --- | --- |
| | 750 | --- | --- | 3.1 | 3.2 |
| Return Loss (dB) | 5 | 16.5 | 16.0 | 16.0 | 15.5 |
| | 15 | 16.5 | 16.0 | 16.5 | 16.0 |
| | 30 | 16.5 | 16.0 | --- | --- |
| | 46 | 16.5 | 16.0 | --- | --- |
| | 65 | --- | --- | 16.5 | 16.0 |
| | 88 | --- | --- | 16.5 | 16.0 |
| | 750 | 16.5 | 16.0 | 16.5 | 16.0 |
| Flatness (±) | 5-30 | 0.3 | 0.5 | --- | --- |
| | 46-550 | 0.4 | 0.5 | --- | --- |
| | 5-65 | --- | --- | 0.4 | 0.5 |
| | 88-750 | --- | --- | 0.6 | 0.7 |

Notes

1. Available in 1.5 dB steps
2. Parameters tested with 13.5 equalizer

ORDERING INFORMATION

- Order LEQ 750 by part number.
- Order LEQ 550 by part number.
- Order Plug-in equalizer as necessary. Part number EQ750-* (* denotes equalizer value), specify value.

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Scientific-Atlanta, Inc. <http://www.sciatl.com>
 United States: 4261 Communications Drive, P.O. Box 6850, Norcross, GA 30091-6850; Tel: 800-722-2009; Fax: 770-903-4617
 Canada: 7725 Lougheed Highway, Burnaby, BC V5A 4V8; Tel: 604-420-5322; Fax: 604-420-5941
 Germany: Europe GmbH, 61476 Kronberg, Germany; Tel: 49-6173-928-000; Fax: 49-6173-928-150
 Australia: Unit 2, 2 Aquatic Drive, P.O. Box 292, Frenchs Forest, NSW 2086, Australia; Tel: 61-2-9452-3388; Fax: 61-2-9451-4432
 Singapore: 1 Claymore Drive, #08-11 Orchard Towers, Singapore 229594; Tel: 65-733-4314; Fax: 65-733-2706
 Hong Kong: Suite 56 & 57, 5/F New Henry House, 10 Ice House Street, Central, Hong Kong; Tel: 852-2522-5059; Fax: 852-2522-5624