

ARRIS STARLINE 1 GHz Accessory

SFE-100-
Starline Forward Equalizer

FEATURES

- 1 GHz equalization
- Ergonomics – installation and removal of accessory without tool or removal of chassis cover
- 21 dB return loss
- FCC and CENELEC approved



PRODUCT OVERVIEW

The ARRIS STARLINE 1 GHz Forward Equalizers, model SFE-100-*, are designed to equalize fixed lengths of coaxial cable. The equalizers are available in 1 dB steps from 0 through 22 dB.

Ergonomics

Ergonomics add to the ease of use for the STARLINE Forward Equalizer, model SFE-100-*. This “ease of use” is achieved by implementing a plastic shell with guides that allow easy installation and removal through the chassis cover.

SPECIFICATIONS

Passband	47 – 1003 MHz
dB of Cable Equalization	0 – 22 dB +/- 0.5 , in 1 dB steps
Flatness	+/- 0.4 dB
Return Loss (maximum)	- 21.0 dB
Insertion Loss (maximum)	1.5 dB

SFE-100-* Slope Chart

Frequency (MHz) vs Insertion Loss (dB)										
SFE Value	SFE Slope	50	200	300	450	550	650	750	870	1003
SFE-100-*										
22	17.1	18.1	13.2	11.0	8.3	6.7	5.3	4.0	2.5	1.0
21	16.3	17.3	12.6	10.5	7.9	6.4	5.1	3.8	2.4	1.0
20	15.5	16.5	12.1	10.1	7.6	6.2	4.9	3.7	2.4	1.0
19	14.8	15.8	11.5	9.6	7.3	5.9	4.7	3.6	2.3	1.0
18	14.0	15.0	11.0	9.2	6.9	5.7	4.5	3.4	2.2	1.0
17	13.2	14.2	10.4	8.7	6.6	5.4	4.3	3.3	2.2	1.0
16	12.4	13.4	9.9	8.2	6.3	5.2	4.1	3.2	2.1	1.0
15	11.7	12.7	9.3	7.8	6.0	4.9	3.9	3.0	2.0	1.0
14	10.9	11.9	8.7	7.3	5.6	4.6	3.7	2.9	2.0	1.0
13	10.1	11.1	8.2	6.9	5.3	4.4	3.5	2.8	1.9	1.0
12	9.3	10.3	7.6	6.4	5.0	4.1	3.3	2.6	1.8	1.0
11	8.5	9.5	7.1	6.0	4.6	3.9	3.1	2.5	1.8	1.0
10	7.8	8.8	6.5	5.5	4.3	3.6	2.9	2.4	1.7	1.0
9	7.0	8.0	6.0	5.1	4.0	3.3	2.8	2.2	1.6	1.0
8	6.2	7.2	5.4	4.6	3.6	3.1	2.6	2.1	1.5	1.0
7	5.4	6.4	4.9	4.2	3.3	2.8	2.4	1.9	1.5	1.0
6	4.7	5.7	4.3	3.7	3.0	2.6	2.2	1.8	1.4	1.0
5	3.9	4.9	3.8	3.3	2.7	2.3	2.0	1.7	1.3	1.0
4	3.1	4.1	3.2	2.8	2.3	2.0	1.8	1.5	1.3	1.0
3	2.3	3.3	2.7	2.4	2.0	1.8	1.6	1.4	1.2	1.0
2	1.6	2.6	2.1	1.9	1.7	1.5	1.4	1.3	1.1	1.0
1	0.8	1.8	1.6	1.5	1.3	1.3	1.2	1.1	1.1	1.0
0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

The slope is calculated by subtracting the insertion loss at the highest frequency from the insertion loss at the lowest frequency.

RELATED PRODUCTS

FFT Full Feature Taps	Optical Patch Cords
FFE Feederline Equalizers	Optical Passives
CHP Chassis	Installation Services

Note: Specifications are subject to change without notice.

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