

## Forward Equalizer with Selectable Jumper



### Broadband International® and ARRIS®/Motorola®/G.I.® System Amplifiers and Line Extenders

The Selectable Jumper Equalizers product line was developed to reduce customer interruptions while changing the equalizer values in a line amplifier. Four separate EQs cover the entire equalizer range from 1 to 20 dB in 1 dB increments. This eliminates the necessity for technicians to carry 20 different values of equalizers.

The equalizer deploys a state-of-the-art, parallel circuit technology for uninterrupted service. The easy-to-remove jumper can select a different position while the signal continues to flow through the system. High levels of network reliability are required in today's competitive marketplace and are achieved by allowing the technician to **change equalizer values without causing service outages.**

These equalizers lead the industry in performance and features to meet the needs of today's high performance broadband networks. All selectable jumper equalizers are easy to install with ergonomic handles and easy to access horseshoe type jumpers. Today's advanced broadband systems can be easily upgraded without constant outages and nuisance interrupting by installing our Selectable Jumper Equalizer in your network

Part Number	dB Values	Passband
35510105	1 dB to 5 dB	1 GHz
35510610	6 dB to 10 dB	1 GHz
35511115	11 dB to 15 dB	1 GHz
35511620	16 dB to 20 dB	1 GHz
35580105	1 dB to 5 dB	870 MHz
35580610	6 dB to 10 dB	870 MHz
35581115	11 dB to 15 dB	870 MHz
35581620	16 dB to 20 dB	870 MHz

#### Features:

- **1 GHz or 870 MHz**
- **Removable jumper for accurate equalizer value selection**
- **5 individual dB values in one EQ**
- **EQ maintains continuity when jumper is removed (no service disruption)**
- **Less EQs to order and maintain**
- **Less inventory in trucks and warehouse**
- **Ergonomic design**
- **Cost effective**
- **Superior performance specifications**
- **Also available at 750 MHz without Ergonomic Plastic**



Selectable Jumper EQ 1 GHz SFE series										
PARAMETER		SPECIFICATION								Unit
Passband		50-1000								MHz
Flatness		+/- 0.4								dB
Insertion Loss (Max)		1.6								dB
Values		1 to 20								dB
1GHz – Slope chart										
EQ Value	Slope	50	200	300	450	550	650	750	870	1000
1	0.8	1.8	1.7	1.6	1.4	1.3	1.2	1.1	1.1	1
2	1.6	2.6	2.2	2	1.8	1.6	1.5	1.3	1.2	1
3	2.1	3.1	2.5	2.3	2	1.7	1.6	1.4	1.2	1
4	3	4	3.2	2.8	2.4	2.1	1.9	1.5	1.3	1
5	3.7	4.7	3.7	3.2	2.6	2.2	2.1	1.7	1.5	1
6	4.8	5.8	4.4	3.7	2.9	2.6	2.3	1.9	1.4	1
7	5.3	6.3	5	4.3	3.3	2.9	2.5	2	1.5	1
8	6.4	7.4	5.5	4.7	3.8	3.2	2.7	2.2	1.5	1
9	7	8	6.1	5	4.1	3.4	2.8	2.2	1.4	1
10	7.9	8.9	6.6	5.5	4.2	3.6	2.9	2.4	1.5	1
11	8.6	9.8	7	6	4.5	3.9	3	2.5	1.7	1.2
12	9.2	10.4	7.6	6.5	5	4	3.4	2.6	1.8	1.2
13	10	11.2	8.3	6.9	5.2	4.4	3.5	2.7	1.9	1.2
14	10.8	11.9	8.7	7.4	5.6	4.7	3.7	2.9	2	1.2
15	11.5	12.7	9.4	7.8	6	5	3.8	3.1	2.1	1.2
16	12.5	13.7	10.9	8.9	6.8	5.8	4.7	3.6	2.2	1.2
17	13	14.2	11	9.1	7.1	6	4.8	3.7	2.3	1.2
18	13.8	15	11.4	9.3	7.2	6.1	5	3.8	2.3	1.2
19	14.7	15.9	11.6	9.7	7.4	6.2	4.8	3.8	2.3	1.2
20	15.5	16.7	12.4	10.2	7.8	6.2	5	3.9	2.5	1.2

Selectable Jumper EQ 870 MHz SFE series									
PARAMETER		SPECIFICATION							Unit
Passband		50 -870							MHz
Flatness		+/- 0.4							dB
Insertion Loss (Max)		1.6							dB
Values		1 to 20							dB
870 MHz – Slope chart									
EQ Value	Slope	50	200	300	450	550	650	750	870
1	0.8	1.8	1.7	1.6	1.4	1.3	1.2	1.1	1
2	1.5	2.5	2	1.9	1.8	1.6	1.4	1.1	1
3	2.2	3.2	2.5	2.3	2	1.7	1.5	1.2	1
4	3	4	3.2	2.8	2.1	1.8	1.5	1.3	1
5	3.7	4.7	3.7	3.2	2.6	2.1	1.7	1.4	1
6	4.8	5.8	4.2	3.6	2.9	2.3	1.8	1.5	1
7	5.3	6.3	4.7	3.9	3	2.4	1.9	1.6	1
8	6.1	7.1	5.2	4.3	3.3	2.6	2.1	1.6	1
9	7	8	6.1	5.7	4.7	2.8	2.2	1.7	1
10	7.9	8.9	6.3	5.2	3.8	3	2.4	1.8	1
11	8.4	9.6	6.8	5.7	4.3	3.5	2.7	2	1.2
12	9	10.2	7.4	6.2	4.8	3.6	2.8	2.1	1.2
13	10	11.2	8	6.5	4.9	3.9	3	2.1	1.2
14	10.6	11.7	8.4	7	5.1	4	3.1	2.1	1.2
15	11.5	12.7	9	7.4	5.4	4.3	3.2	2.2	1.2
16	12.3	13.5	9.5	7.7	5.7	4.4	3.3	2.3	1.2
17	12.8	14	10	8.1	6	4.6	3.5	2.4	1.2
18	13.8	15	10.5	8.5	6.3	4.9	3.5	2.5	1.2
19	14.4	15.6	11.1	8.9	6.4	5	3.7	2.6	1.2
20	15.1	16.3	11.4	9.4	6.6	5.1	3.8	2.7	1.2