

## Reverse Variable Equalizer, 40/42 MHz



### For Cisco<sup>®</sup> Nodes, and Cisco<sup>®</sup> and Broadband International<sup>®</sup> System Amplifiers and Line Extenders

The Reverse Variable Equalizer product line was developed to reduce customer interruptions while changing the equalizer values in a line amplifier. These EQs cover the equalizer range from 0 dB to 6.0 dB. This eliminates the necessity for technicians to carry multiple individual values of equalizers.

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.**

Part Number	dB Values	Passband
206426V	0 dB to 6 dB	5-40/42 MHz
206412V	7 dB to 12 dB	5-40/42 MHz

PARAMETER	SPECIFICATION	UNIT
Passband	5-40/42	MHz
Flatness	+/-0.5	dB
Insertion Loss (Max)	1.2 at either 40 or 42 MHz	dB
Values	0-6 and 7-12	dB

#### Features:

- Adjustable pot for selecting values
- 7 individual dB values in one EQ (includes 0 dB)
- Less EQs to order and maintain
- Less inventory in trucks and warehouse
- Cost effective
- Superior performance specifications



Comparison between BBI Variable Reverse Equalizers* and Fixed Value Equalizers					
Frequency	Insertion Loss			Tilt	Tilt
Value	5 MHz	40 MHz	42 MHz	@ 40 MHz	@ 42 MHz
0 dB	0.6	0.6	0.6	0.0	0.0
1 dB	1.7	1.0	0.9	0.7	0.8
2 dB	2.3	0.9	0.9	1.4	1.4
3 dB	2.9	1.0	0.9	1.9	2.0
4 dB	3.5	1.0	0.9	2.5	2.6
5 dB	4.1	0.9	0.9	3.2	3.2
6 dB	5.1	1.1	1.0	4.0	4.1
7 dB	5.6	1.0	0.9	4.6	4.7
8 dB	6.3	1.1	0.8	5.2	5.5
9 dB	6.9	1.1	0.8	5.8	6.1
10 dB	7.5	1.1	0.9	6.4	6.6
11 dB	8.2	1.0	0.7	7.2	7.5
12 dB	8.7	0.9	0.7	7.9	8.1

FIXED Value Tilt chart					
Frequency	Insertion Loss			Tilt	Tilt
Value	5 MHz	40 MHz	42 MHz	@ 40 MHz	@ 42 MHz
1 dB	1.7	1	1.0	0.7	0.7
2 dB	2.3	1	1.0	1.3	1.3
3 dB	3	1	0.9	2.0	2.1
4 dB	3.6	1	0.9	2.6	2.7
5 dB	4.3	1	0.9	3.3	3.4
6 dB	4.9	1	0.9	3.9	4.0
7 dB	5.6	1	0.8	4.6	4.8
8 dB	6.2	1	0.8	5.2	5.4
9 dB	6.9	1	0.8	5.9	6.1
10 dB	7.5	1	0.8	6.5	6.7
11 dB	8.2	1	0.7	7.2	7.5
12 dB	8.9	1	0.7	7.9	8.2

\* Products received before June 2019 will exhibit a slightly different insertion loss than the table shown above.