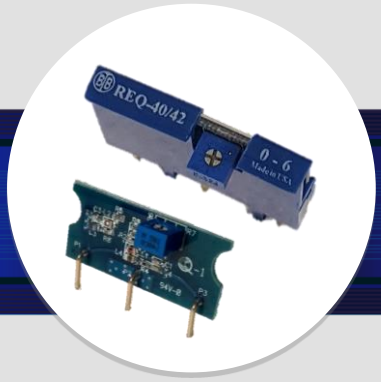
BroadBand International®
BROADBAND. AMPLIFIED.

Reverse Variable Equalizers
SRE Ergonomic and Non-Ergonomic



For Broadband International® and ARRIS®/Motorola®/G.I.® 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 7 different 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.

Features:

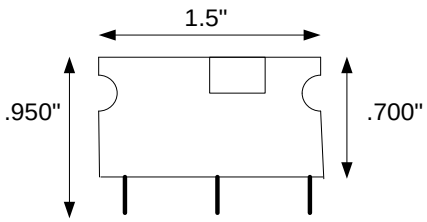
- **Adjustable pot for selecting values**
- **7 individual dB values in one EQ (includes 0 dB)**
- **Less EQs to order and maintain**
- **Less inventory in trucks and warehouse**
- **Cost effective**
- **Superior performance specifications**

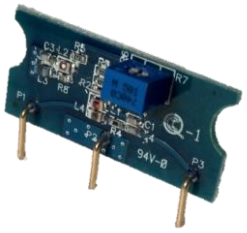
BBI-Motorola Reverse Variable Equalizers - 40/42 MHz		
PARAMETER	**SPECIFICATION**	**Unit**
Passband	5-40 or 5-42	MHz
Flatness	+/- 0.3	dB
Insertion Loss (Max)	1	dB
Return Loss	-20	dB

42 MHz Slope Chart – Frequency vs. Insertion Loss													
42 MHz	**0-6 dB Variable EQ – BBI PART # 145006**							**7-12 dB Variable EQ – BBI PART # 145712**					
Value	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Frequency													
5	0.7	1.5	2.2	2.9	3.5	4.1	4.7	5.2	5.8	6.4	7.0	7.6	8.3
10	0.7	1.5	1.9	2.3	2.3	3.2	3.6	4.5	5.0	5.3	5.6	5.8	5.8
15	0.7	1.4	1.6	1.9	1.9	2.6	2.8	4.0	4.3	4.4	4.5	4.4	4.3
20	0.7	1.3	1.4	1.6	1.7	2.1	2.2	3.4	3.5	3.5	3.5	3.4	3.2
25	0.7	1.2	1.3	1.5	1.8	1.8	1.8	2.7	2.7	2.7	2.6	2.5	2.4
30	0.7	1.2	1.3	1.4	1.5	1.6	1.5	2.0	1.9	1.9	1.8	1.7	1.6
40	0.7	1.0	1.0	1.0	1.0	0.9	0.9	1.3	1.2	1.1	1.1	1.0	0.9
42	0.7	0.8	0.9	0.9	0.9	0.8	0.7	0.6	0.5	0.5	0.5	0.4	0.4
Tilt 5-42	**0.0**	**0.7**	**1.3**	**2.0**	**2.7**	**3.4**	**4.0**	**4.6**	**5.3**	**5.9**	**6.5**	**7.2**	**7.9**

SRE Non-Ergonomic Style Reverse Variable Equalizers		
Frequency	**Part Number**	**Values**
42 MHz	145006	0 dB to 6 dB
42 MHz	145712	7 dB to 12 dB

Dimensions





SRE Ergonomic Style Reverse Variable Equalizers		
Frequency	**Part Number**	**Values**
42 MHz	144006	0 dB to 6 dB
42 MHz	144712	7 dB to 12 dB

Dimensions with plastic