

# CableServ® Scientific Atlanta Padded EqualizerÔ



## Product Description

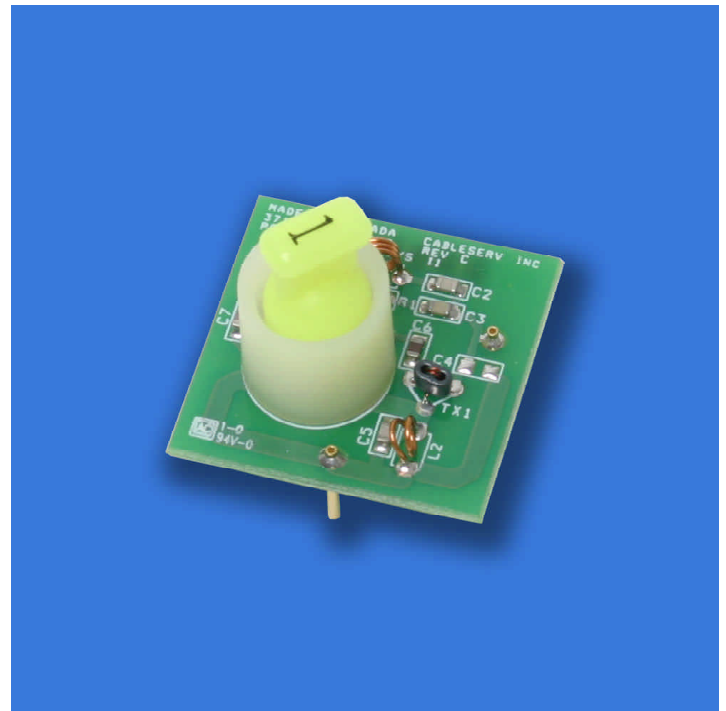
CableServ has developed the patented CableServ® Padded Equalizer™ by separating the reactive and resistive elements of a CATV amplifier equalizer or slope control into two distinct entities. The reactive element is contained on a circuit board plug-in carrier which establishes the equalization bandwidth. The carrier remains installed in the amplifier equalizer or slope location depending on the amplifier model. What this means is that you adjust the slope by plugging in a SXP pad. For example, plugging in a 1dB pad will give you 1dB of slope 2dB will give you 2dB of slope, etc.\*

There are several advantages to employing Padded Equalizers over fixed value EQs:

Purchasers or Construction Managers often buy a series of fixed value equalizers. What often happens is that you end up with inventory of odd value, low usage fixed equalizers that will never be used. With the Padded EQ, the value is chosen by the pad, not the EQ carrier board, thus you won't get stuck with EQs you will never use.

For field technicians, it is easier to carry various pad values rather than bulkier fixed EQs. Also, a technician does not get delayed because they are missing the one value EQ they need, whereas, pads are commonly used in all types of equipment and a wide range of values are easy to carry and have on-hand at all times. Lastly, where many EQs are fixed in 1.5dB steps, SXP Pads are available in 0.5dB steps allowing the field technician to setup the amplifier with more accuracy.

\*The actual slope to pad value is not an exact 1:1 ratio. A conversion chart may be provided.



## Applications

- Forward and Reverse Equalizers for Scientific LEI/II/III, SYSTEM II/III and SA Trunk Amplifiers.

## Product Features

- Patented technology eliminates the need for proprietary fixed equalizers of various values, some of which will never be used.
- Uses pads (attenuators) native to the OEM amplifier.
- Simplified, accurate and stable set-up and maintenance.
- Full 24 Month Limited Warranty.

## Product Specifications

PRODUCT MODEL: CEL SA EQ 870 MHZ PADDED EQ		
PARAMETER	Units	FORWARD
Passband (available in 550, 625, 650, 750 and 862 MHz)	MHz	54 - 870MHz
Flatness	dB	+/-0.5
Insertion Loss @ 1003 MHz (Max)	dB	-1
Return Loss	dB	-18
Specifications subject to change without notice.		

PAD	TILT 54-870MHz	Amount of cable @ 870 MHz
0	0.4	0.5
1	1.3	1.7
2	2.2	2.9
3	3.1	4.1
4	4.0	5.3
5	5.0	6.7
6	6.0	8.0
7	7.0	9.3
8	7.9	10.5
9	8.9	11.9
10	9.8	13.1
11	10.8	14.4
12	11.7	15.6
13	12.7	16.9
14	13.6	18.1
15	14.6	19.4
16	15.5	20.6
17	16.5	22.0
18	17.4	23.2
19	18.3	24.4
20	19.2	25.6
21	20.1	26.8
22	20.8	27.7

## Order Information

Product Description	Order Number
CEL SA EQ30C PADDED REV EQ CUBE	824-399-752-OCE
CEL SA EQ40C PADDED REV EQ CUBE	824-398-751-OCE
CEL SA EQ40E PADDED REV EQ CARD	824-398-752-OCE
CEL SA EQ 550MHZ PADDED EQ	824-301-761-OCE
CEL SA EQ 650MHZ PADDED EQ	824-300-773-OCE
CEL SA EQ750MHZ PADDED EQ	824-301-760-OCE
CEL SA EQ750MHZ PADDED CABLE SIM	824-304-852-OCE
CEL SA EQ870MHZ PADDED EQ	824-305-700-OCE
CEL SA EQ870MHZ PADDED CABLE SIM	824-305-853-OCE



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