

# CableServ® General Instrument / Motorola Padded Equalizer<sup>Ô</sup>



## Product Description

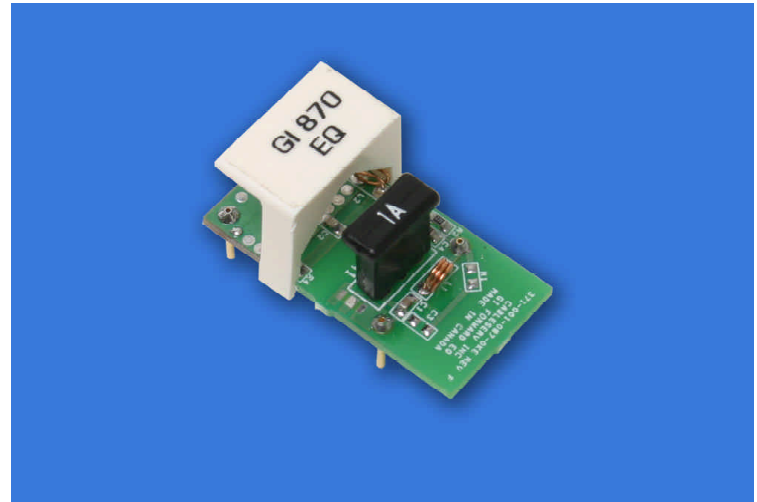
CableServ has developed the patented CableServ® Padded Equalizer™ by separating the reactive and resistive elements of a CATV amplifier equalizer or slope control into two distinct entities. The reactive element is contained on a circuit board plug-in carrier which establishes the equalization bandwidth. 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 JXP 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, JXP Pads are available in 0.5dB steps allowing the field technician to set-up 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

- Equalizers for General Instrument / Motorola Amplifiers that employ the GI EQ Series of Equalizers. This includes SX Trunk Station, JLX and BLE Line Extenders, MB Mini Bridgers.

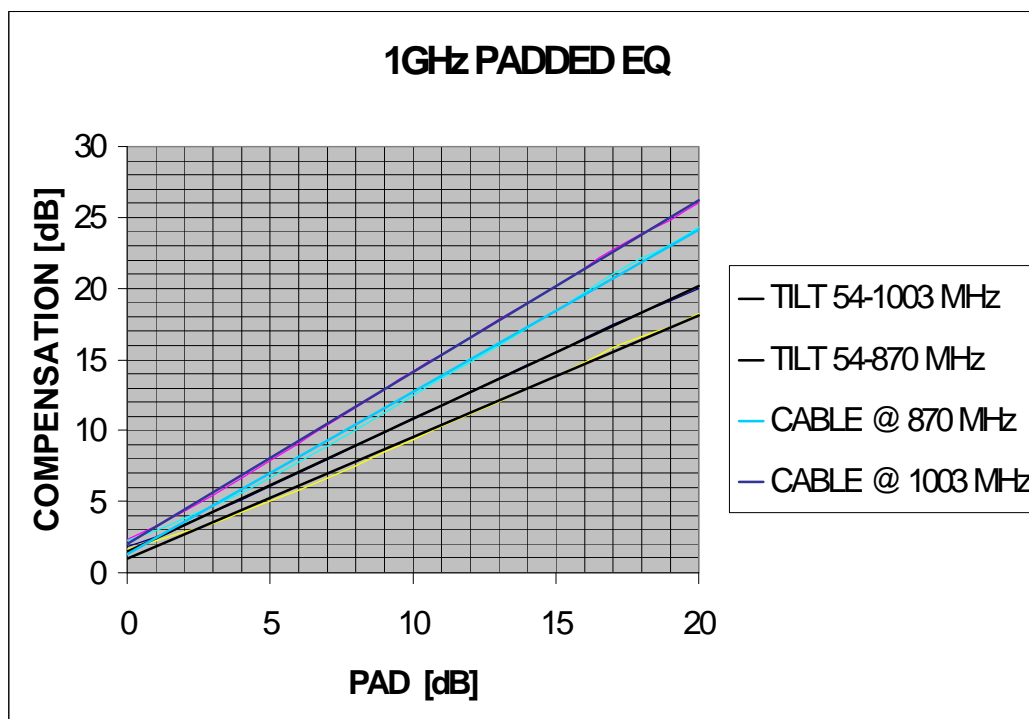
## Product Features

- Patented technology eliminates the need for proprietary fixed equalizers of various values, some of which will never be used.
- Uses inexpensive 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 GI EQ 1000 MHZ PADDED EQ		
PARAMETER	Units	FORWARD
dB of Cable Equalization	dB	variable from 0 to 27
Passband (available in 550, 625, 650, 750 and 862 MHz)	MHz	54 - 1003MHz
Flatness	dB	+/-0.75
Insertion Loss @ 1003 MHz (Max)	dB	-1
Return Loss	dB	-16

Specifications subject to change without notice.



## Order Information

Product Description	Order Number
CEL GI EQ-40MHZ SXRE PADDED EQ	824-004-700-OCE
CEL GI EQ 750MHZ PADDED EQ	824-001-705-OCE
CEL GI EQ 750MHZ PADDED CABLE SIM	824-005-852-OCE
CEL GI EQ 870MHZ PADDED EQ	824-005-700-OCE
CEL GI EQ 870MHZ PADDED CABLE SIM	824-005-850-OCE
CEL GI EQ 1000MHZ PADDED EQ	824-005-701-OCE
CEL GI EQ 1000MHZ PADDED CABLE SIM	824-005-853-OCE



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