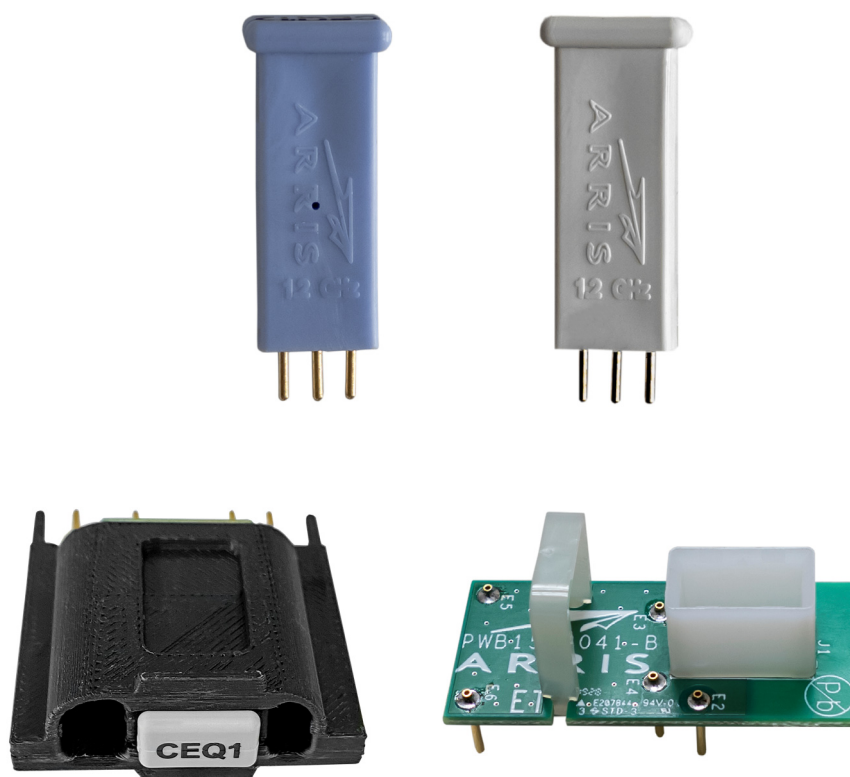


FEATURES

- New, molded JXP style form factor
- 1.2 GHz Cable Equalization or Cable Simulation
- Ergonomic installation and removal of accessory without tools or removal of chassis cover

CommScope 1.2 GHz RF Amplifiers feature a new series of forward CE-120-* Cable Equalizers and CS-120-* Cable Simulators. The CE-120-* are designed to equalize fixed lengths of PIII-500 coaxial cable and are available in 1 dB steps from 2 through 20 dB. The CS-120-* are designed to simulate the attenuation profile of PIII-500 coaxial cable and are available in 1 dB steps from 1 through 10 dB.

These molded JXP style plug-ins are inserted into a carrier board that maintains the legacy equalizer footprint. The ergonomic shape allows easy installation without having to remove the amplifier chassis cover.



The CE-120-* Series are used to plug into the Carrier Board for Forward Balancing and have a 1.2” height. The CE-120-FMT-8 is used to create Equal Trunk/Bridge Tilt in the FMT12 Amplifier and has a 1.4” height.

The maximum height for any plug-in equalizer, cable simulator, and PAD inserted in the carrier board is 1.2 inches. Using plug-in accessories that exceed 1.2 inches in height will cause interference when the housing is closed and may cause damage or compromise performance.

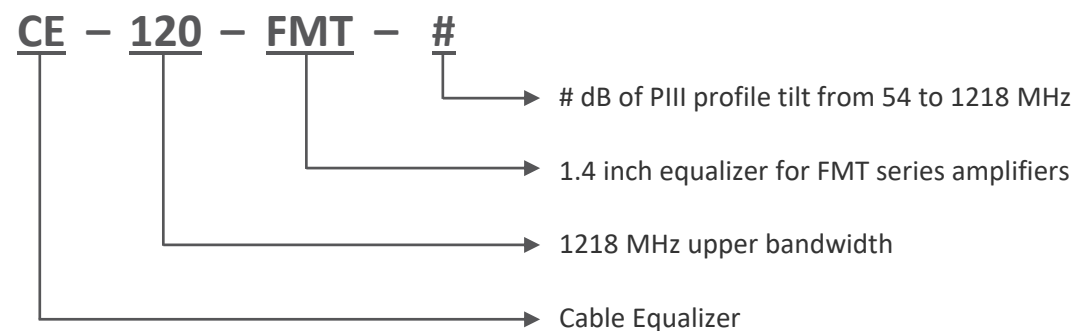
CE-120-* INSERTION LOSS (TYPICAL)

Frequency (MHz) vs Insertion Loss (dB)										
CE Value	dB Tilt @ 1218	54	104	258	550	650	750	870	1002	1218
CE-120-2	2 ± 0.3	-2.7	-2.5	-2.1	-1.6	-1.4	-1.3	-1.1	-1	-0.7
CE-120-3	3 ± 0.3	-3.7	-3.4	-2.8	-2	-1.8	-1.6	-1.4	-1.1	-0.7
CE-120-4	4 ± 0.3	-4.7	-4.3	-3.6	-2.5	-2.2	-1.9	-1.6	-1.2	-0.7
CE-120-5	5 ± 0.3	-5.7	-5.2	-4.3	-2.9	-2.6	-2.2	-1.8	-1.4	-0.7
CE-120-6	6 ± 0.3	-6.7	-6.1	-5	-3.4	-2.9	-2.5	-2	-1.5	-0.7
CE-120-7	7 ± 0.3	-7.7	-7.0	-5.7	-3.8	-3.3	-2.8	-2.2	-1.6	-0.7
CE-120-8 CE-120-FMT-8	8 ± 0.3	-8.7	-8.0	-6.4	-4.3	-3.7	-3.1	-2.4	-1.8	-0.7
CE-120-9	9 ± 0.3	-9.7	-8.9	-7.1	-4.7	-4	-3.4	-2.7	-1.9	-0.7
CE-120-10	10 ± 0.3	-10.7	-9.8	-7.8	-5.2	-4.4	-3.7	-2.9	-2.0	-0.7
CE-120-11	11 ± 0.3	-11.7	-10.7	-8.5	-5.6	-4.8	-4	-3.1	-2.1	-0.7
CE-120-12	12 ± 0.3	-12.7	-11.6	-9.3	-6.1	-5.2	-4.3	-3.3	-2.3	-0.7
CE-120-13	13 ± 0.3	-13.7	-12.5	-10	-6.5	-5.5	-4.6	-3.5	-2.4	-0.7
CE-120-14	14 ± 0.3	-14.7	-13.4	-10.7	-7.0	-5.9	-4.9	-3.7	-2.5	-0.7
CE-120-15	15 ± 0.3	-15.7	-14.3	-11.4	-7.4	-6.3	-5.2	-4.0	-2.7	-0.7
CE-120-16	16 ± 0.3	-16.7	-15.2	-12.1	-7.9	-6.6	-5.5	-4.2	-2.8	-0.7
CE-120-17	17 ± 0.3	-17.7	-16.1	-12.8	-8.3	-7	-5.8	-4.4	-2.9	-0.7
CE-120-18	18 ± 0.3	-18.7	-17.0	-13.5	-8.8	-7.4	-6.1	-4.6	-3.1	-0.7
CE-120-19	19 ± 0.3	-19.7	-17.9	-14.2	-9.2	-7.8	-6.4	-4.8	-3.2	-0.7
CE-120-20	20 ± 0.3	-20.7	-18.8	-15.0	-9.7	-8.1	-6.7	-5.0	-3.3	-0.7
CE-120-21	21 ± 0.3	-21.7	-19.8	-15.7	-10.1	-8.5	-7.0	-5.3	-3.5	-0.7

The slope is calculated by subtracting the insertion loss at the highest frequency from the insertion loss at the lowest frequency.

CE-120-* SPECIFICATIONS

Characteristics	Specification
Passband	54–1218 MHz
dB of Cable Equalization	2–20 ± 0.3 dB, in 1 dB steps
Flatness	± 0.3 dB
Return Loss (min)	-19 dB
Insertion Loss (max)	1.0 dB
Dimensions (Height) CE-120-*	1.20 inches
Dimensions (Height) CE-120-FMT-*	1.40 inches



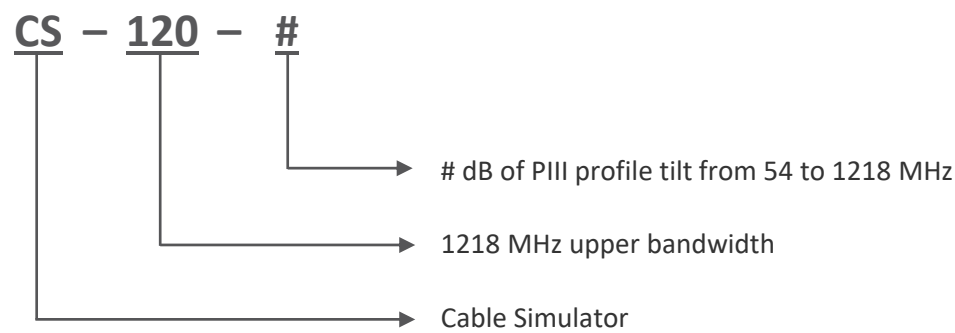
CS-120-* INSERTION LOSS (TYPICAL)

Frequency (MHz) vs Insertion Loss (dB)										
CS Value	dB Tilt @ 1218	54	104	258	550	650	750	870	1002	1218
CS-120-1	1 ± 0.3	-0.7	-0.8	-1	-1.3	-1.3	-1.4	-1.5	-1.6	-1.7
CS-120-2	2 ± 0.3	-0.7	-0.9	-1.3	-1.8	-2	-2.1	-2.3	-2.4	-2.7
CS-120-3	3 ± 0.3	-0.7	-1	-1.6	-2.4	-2.6	-2.8	-3	-3.3	-3.7
CS-120-4	4 ± 0.3	-0.7	-1.1	-1.9	-2.9	-3.2	-3.5	-3.8	-4.2	-4.7
CS-120-5	5 ± 0.3	-0.7	-1.2	-2.1	-3.5	-3.8	-4.2	-4.6	-5	-5.7
CS-120-6	6 ± 0.3	-0.7	-1.3	-2.4	-4	-4.5	-4.9	-5.4	-5.9	-6.7
CS-120-7	7 ± 0.3	-0.7	-1.3	-2.7	-4.6	-5.1	-5.6	-6.2	-6.8	-7.7
CS-120-8	8 ± 0.3	-0.7	-1.4	-3	-5.1	-5.7	-6.3	-7	-7.6	-8.7
CS-120-9	9 ± 0.3	-0.7	-1.5	-3.3	-5.7	-6.4	-7	-7.7	-8.5	-9.7
CS-120-10	10 ± 0.3	-0.7	-1.6	-3.6	-6.2	-7	-7.7	-8.5	-9.4	-10.7

The slope is calculated by subtracting the insertion loss at the highest frequency from the insertion loss at the lowest frequency.

CS-120-* SPECIFICATIONS

Characteristics	Specification
Passband	54–1218 MHz
dB of Cable Simulation	1–20 ± 0.3 dB, in 1 dB steps
Flatness	± 0.3 dB
Return Loss (min)	-20 dB
Insertion Loss (max)	1.0 dB
Dimensions (Height)	1.20 inches



OPTIONAL ACCESSORIES

Model Name	Description
CB-120-SL-JXP	CB-120-SL-JXP, 1.2 GHZ, JXP Carrier Board, STARLINE™, Fits MB120 and BLE120 Amplifiers
CB-120-FM-JXP	CB-120-FM-JXP, 1.2 GHZ, JXP Carrier Board, Flex Max®, Fits FML12, FMB12, and FMT12 Amplifiers

RELATED PRODUCTS

MB120 1.2 GHz MiniBridger™	BLE120 1.2 GHz Line Extender
FM902 1.2 GHz Trunk/Bridger	FM332 1.2 GHz Line Extender

Contact Customer Care for product information and sales:

- United States: 866-36-ARRIS
- International: +1-678-473-5656



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