

Product Specification



CCFA-419

Diplexer, 850 A and A' Bands

Ruggedized Design

Sharp Rejection for GSM Channels 231 and 241

Low Loss Design

Electrical Specifications

FREQUENCY RANGE

850 A BAND PORT

Rx and Tx Channels 1019 – 283
824.27 – 834.11 MHz & 869.27 - 879.11 MHz

850 A' BAND PORT

Rx and Tx Channel 672 - 713
845.15 - 846.37 MHz & 890.15 - 891.37 MHz

PASSBAND INSERTION LOSS

850 A BAND PORT

1.2 dB Max

850 A' BAND PORT

2.0 dB Max.

INSERTION LOSS VARIATION

1.1 dB Max. over any 1.23 MHz Band

PASSBAND RETURN LOSS

20 dB Min.

PORT TO PORT ISOLATION

55 dB Min.

REJECTION

850 A' BAND PORT

GSM Channel 231 and Below

25 dB Min

GSM Channel 241 and Above

25 dB Min

PASSIVE INTERMODS

-153 dBc

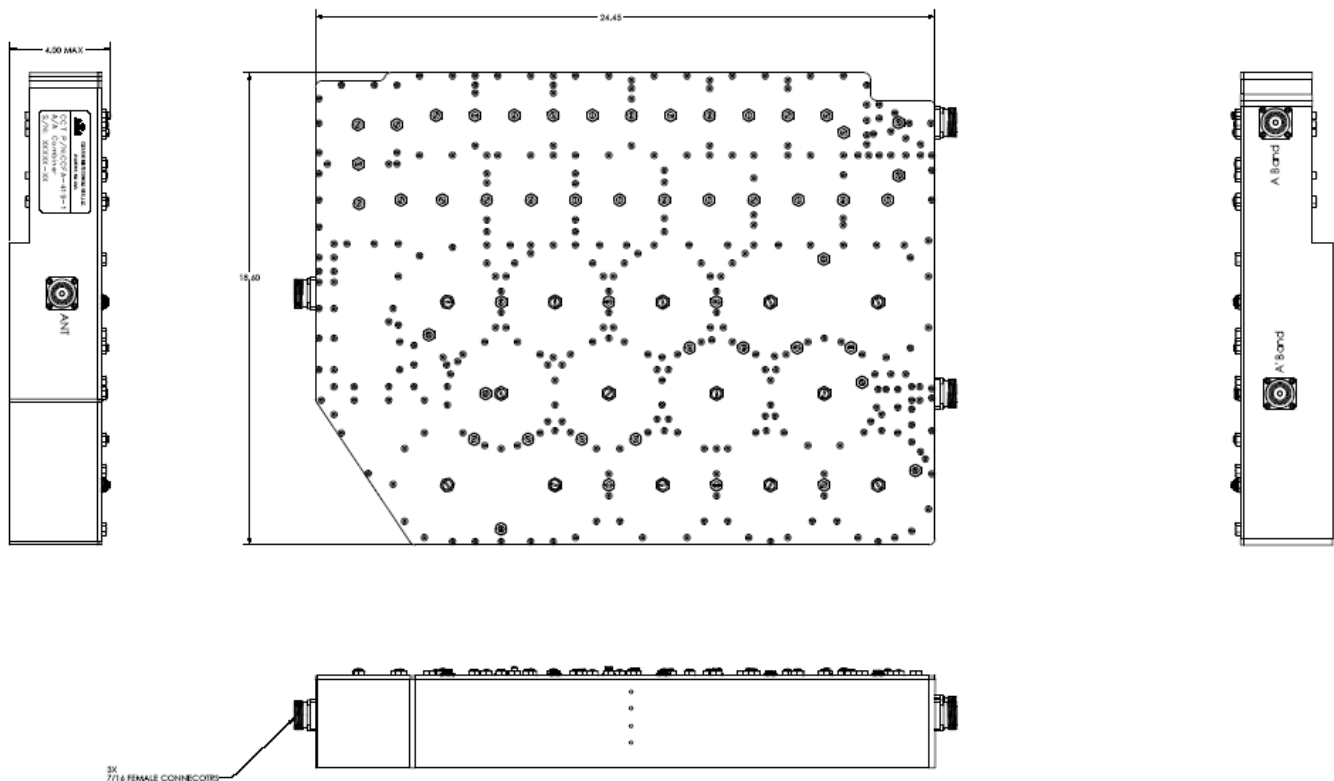
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Environmental Specifications

OPERATING TEMPERATURE	-0 to +35° C
ENVIRONMENTAL	Per ETS-300
WEATHERIZATION	IP-65
LIGHTNING PROTECTION	Per EN / IEC 61000 4-5, Level 4

Mechanical Specifications

CONNECTORS	7/16 DIN Female
DIMENSIONS	24.5" x 18.6" x 3.8" Excluding Connectors
WEIGHT	Approx. 63 lbs.
MOUNTING	Mounting Tabs provided for Mounting in 23 Inch, Center position Rack



OUTLINE DRAWING