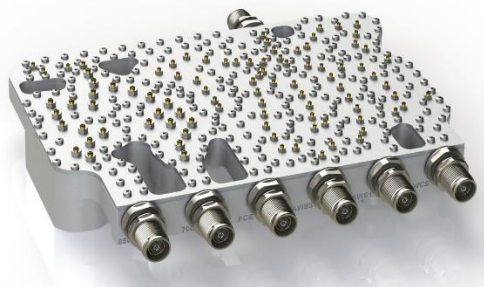


# Product Specification



## CCFA-828

### Multiband Combiner

- Covers 700,850,1900,AWS1,AWS3,WCS Bands
- Compact Size with Low Loss
- Use with FORCE™ Neutral Host Combiner
- High Isolation / PIM Rated

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## Electrical Specifications

### PASSBAND

COMMON PORT	698 - 2360 MHz
700 BAND PORT	698 - 787 MHz
850 BAND PORT	824 - 894 MHz
1900 BAND PORT	1850 - 1995 MHz
AWS1 BAND PORT	1710 - 1715 MHz & 2110-2115 MHz
AWS3 BAND PORT	1760 – 1770 MHz & 2160-2170 MHz
WCS BAND	2305 – 2360 MHz

INSERTION LOSS	0.5 dB Max, 0.3 dB Typ.
RETURN LOSS	20 dB Min.
ISOLATION	30 dB Min, 50 dB Typ.
POWER HANDLING	100W Avg. / 500 W Peak
PASSIVE INTERMODS	-156 dBc

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## Environmental Specifications

OPERATING TEMPERATURE	-40° to +65°C Operating
ENVIRONMENTAL	Per IP-65 (IP-67 Optional)
ENVIRONMENTAL RATING	ETSI EN 300 019 Class 4.1, RoHS
LIGHTNING PROTECTION	EN / IEC 61000 4-5, Level 4
ALTITUDE	3,000m Max. (10,000 Ft)
MEAN TIME BETWEEN FAILURES	10 <sup>7</sup> Hrs. Min

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# Product Specification

## Mechanical Specifications

CONNECTORS

4.3/10.0 Female (Long Neck)

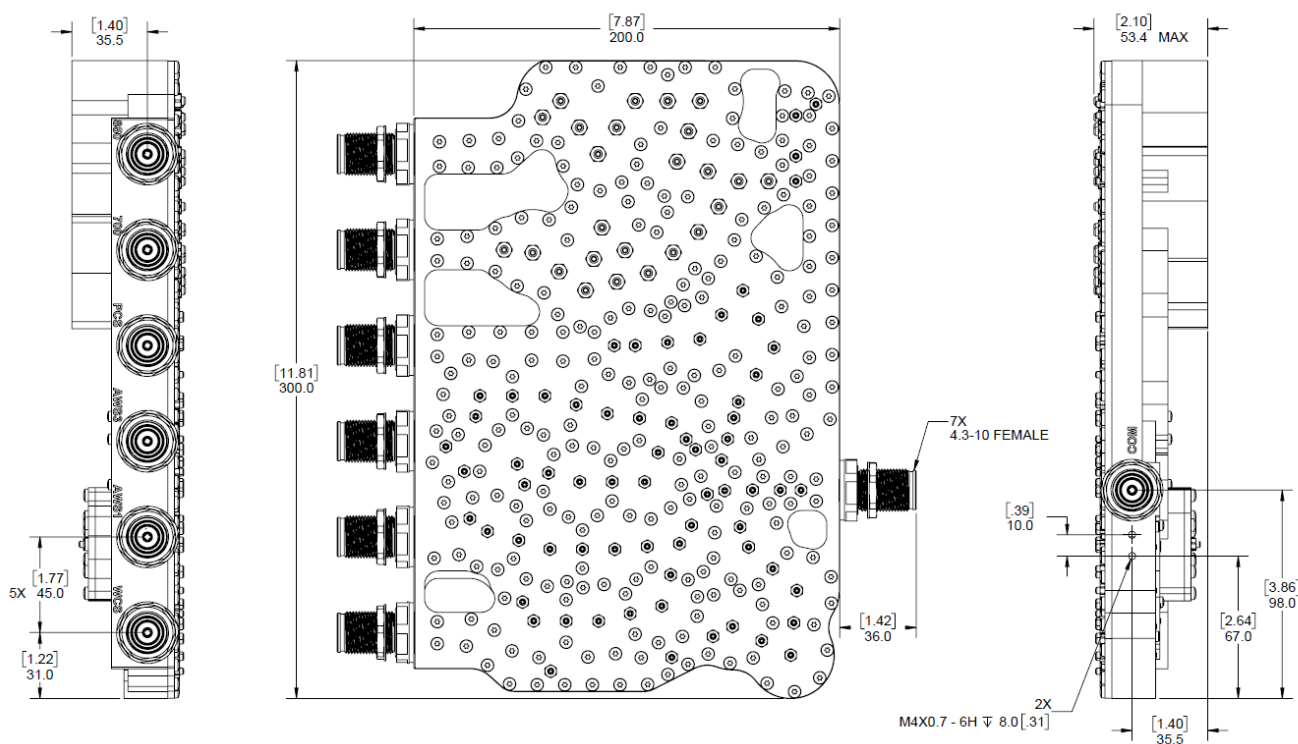
SIZE

300 x 200 x 53.4mm (11.81" x 7.87" x 2.10")

WEIGHT

Excluding Connectors

Approx. 3.3 kg (7.5 lbs.)



OUTLINE DRAWING

Rev: 080619