

# Product Specification



## CCDP-836

### 700 / 800 Band PS Diplexer

- **Combines 700 and 800 Bands**
- **Low Loss / High Isolation**

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## Electrical Specifications

### PASSBAND

COMMON PORT	760-805 MHz and 806-860 MHz
700 PUBLIC SAFETY BAND	760-805 MHz
800 PUBLIC SAFETY BAND	806-860 MHz

### PASSBAND INSERTION LOSS

700 P/S PORT TO COMMON	760-802 MHz – 0.9 dB Max. 802-805 MHz – 2.5 dB Max.
800 P/S PORT TO COMMON	806-809 MHz – 2.5 dB Max. 809-860 MHz – 0.9 dB Max.

### PASSBAND RETURN LOSS

21 dB Min.

### PASSBAND GROUP DELAY VARIATION

150 nS Max.

### REJECTION

700 P/S PORT TO COMMON	806-809 MHz - 28 dB Min. 809-860 MHz – 41 dB Min.
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800 P/S PORT TO COMMON	760-802 MHz – 41 dB Min. 802-805 MHz – 25 dB Min.
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### POWER HANDLING

20 W CW / Avg. Per Port

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## Environmental Specifications

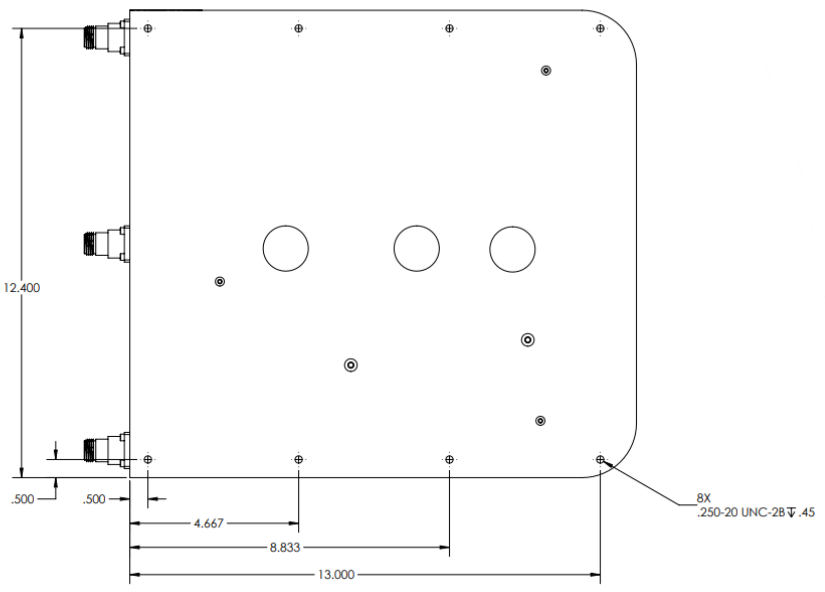
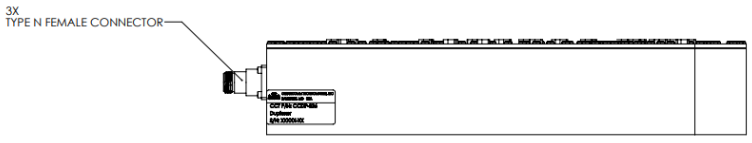
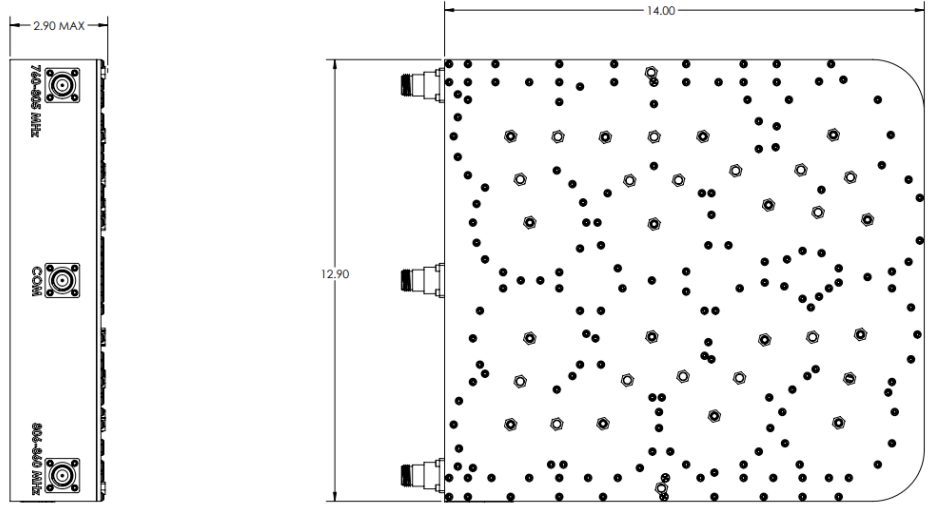
OPERATING TEMPERATURE	-20° to +70°C Operating
ENVIRONMENTAL	Per ETS-300
WEATHERIZATION	Per IP-65
LIGHTNING PROTECTION	EN / IEC 61000 4-5, Level 4

## Mechanical Specifications

CONNECTORS	Type 'N' Female
SIZE	14.00 x 12.90 x 2.90" Max Excluding Connectors
WEIGHT	Approx. 18 lbs.

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