

- ◆ Connects 3 inputs to 3 outputs
- ◆ **Models for Outdoor Environments**
- ◆ Up to 25 dB Isolation, Low VSWR
- ◆ 150W/Input Continuous Avg. Power
- ◆ Low Specified PIM -161 dBc
- ◆ Just 4.8 dB coupled loss/channel
- ◆ Low and High Wireless Bands
- ◆ Convenient connector spacing



**Model CM-80E**

Model Number	Frequency Range, MHz	Isolation dB	Input VSWR	*Coupling & Variation	Specified †PIM	Power per Input	Weight lbs. (kg)			
7-16 ‡4.1-9.5 4.3-10 N Type										
<b>CM-80D CM-80C CM-80E CM-80N</b>	694 - 800 800 - 2,500 2,500 - 2,700	>25 dB >25 dB >23 dB	<1.20:1 <1.20:1 <1.25:1	5.0 ± 1.3 dB 5.0 ± 1.0 dB 5.0 ± 1.3 dB	-161 dBc	150W avg 3 kW peak	2.4 (1.1)			
<b>Add 'P' to Model Number for Outdoor Use</b>										
‡Mini-DIN connectors		*Coupling includes dissipative loss						†2 tone test at +43 dBm		

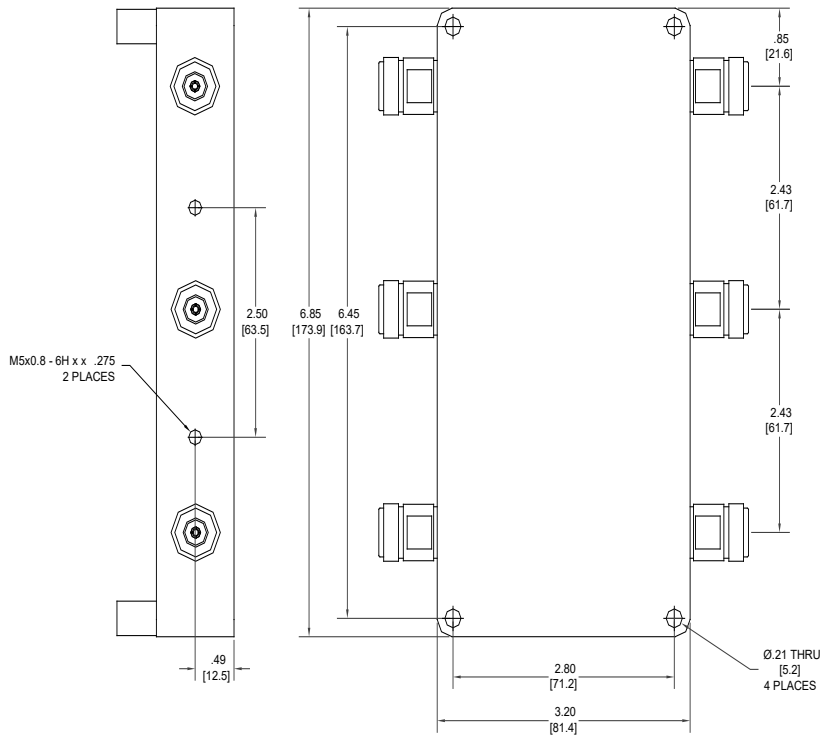
A 3:3 Hybrid Combiner is a network which combines up to three inputs. In DAS applications, all three outputs may be used to feed different cables, essentially providing lossless combining. Any unused ports must be terminated in 50Ω at the appropriate power rating. This network is an important building block in combining boxes used in neutral host in-building DAS.

Add suffix 'P' to Model Number (e.g. **CM-80DP**) for added paint, when product is used in outdoor environments.

Impedance:	50Ω nominal
Environment:	-35 to +65°C
Housing Finish:	
Indoor/IP64:	Standard model Passivated Al.
Outdoor/IP67:	Painted Add P to Model No.
Connectors:	Triplate

Note: Specifications are subject to change without prior notification.

19APR2016



**DC Paths through CM-80**  
 J1 - J6  
 J2 - J5  
 J3 - J4  
 All other paths DC isolated  
 Dimensions in inches [mm]

