

AV000008

Integrated Public Safety DAS Directional Coupler



Reliable RF signal distribution for indoor and outdoor DAS applications.

- Wideband operation supports 340–2700 MHz frequencies.
- Covers UHF, 700/800 MHz, and FirstNet bands.
- Low insertion loss helps maintain RF signal strength.
- Ultra-low PIM helps preserve signal quality.
- Handles up to 500 W for demanding RF applications.
- IP65-rated for indoor and outdoor installation.

Specifications

Coupling	6 dB
Frequency Range	340–2700 MHz
Impedance	50 Ω
Connectors	N-Female
3rd Order PIM	≤ -161 dBc @ 2 $\times$ 43 dBm Carriers
Power Rating	500 W (3 kW Peak)
Dimensions	7.00" $\times$ 1.80" $\times$ 1.20" (without connectors)
Weight	1 lb
Material	Aluminum
Color	Red
Mounting	Mounting Tabs
Ingress Protection	IP65
Operating Temperature	-31°F to 185°F
Operating Humidity	Up to 95%

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RF Performance

	340–510 MHz	600–960 MHz	1700–2700 MHz
Coupling Tolerance	±1.3 dB	±0.8 dB	±1.0 dB
Insertion Loss	≤1.6 dB	≤1.8 dB	≤1.8 dB
Isolation	≥26 dB	≥26 dB	≥25 dB
VSWR	≤1.25	≤1.25	≤1.30