

AV000009

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.
- High isolation reduces interference between signal paths.
- Ultra-low PIM helps preserve signal quality.
- IP65-rated for indoor and outdoor installation



Specifications

Coupling	10 dB
Frequency Range	340–2700 MHz
Impedance	50 Ω
Connectors	N-Female
3rd Order PIM	≤ -161 dBc @ 2×43 dBm Carriers
Power Rating	500 W (3 kW Peak)
Dimensions	7.00" $\times$ 1.80" $\times$ 1.20" (without connectors)
Weight	1 lb (0.45 kg)
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	±1.5 dB	±1.1 dB	±1.2 dB
Insertion Loss	≤0.9 dB	≤1.1 dB	≤1.1 dB
Isolation	≥30 dB	≥30 dB	≥29 dB
VSWR	≤1.25	≤1.25	≤1.30