



Product Description

These Combiner Box is designed to meet the special co-siting needs of the wireless market. They are most commonly used to combine up to four wireless carriers in the operating band to single or multiple antenna feeds or distribution cables. In situation where four similar feeds can be utilized, as required in many in-building applications, all four outputs may be used, eliminating the need for terminating unused ports and the 6dB hybrid loss. Port return loss and isolation has been optimized while passive intermodulation (PIM) is minimized. Input and output connectors have been separately grouped for con-controlled wrench tightening of connectors



Features/Benefits

- Minimum Loss, 4 hybrid design
- High Isolation, Low VSWR
- Multi-Band Range for Tetra, GSM, Cellular, PCS, UMTS & W-LAN
- 100W/input Average Power
- High Reliability
- Guaranteed PIM performance
- Standard 3RU EIA Rack
- 7-16 DIN female connectors

Technical Features

Product Type	4x4 Hybrid Combiner
Application	Indoor
Frequency Range, MHz	380-2500
Number of Input Ports	4
Number of Output Ports	4
Connectors	7-16
Input Connector Type	7-16 female
Output Connector Type	7-16 female
Impedance, Ohm	50
VSWR (50 Ohm)	< 1.3, 380-1500MHz; < 1.35, 1500-2500MHz
Intermodulation (IM3)	< -140 dBc with 2x43 dBm tones
Isolation, dB	> 25, 380-1500MHz; > 20, 1500-2500MHz
Coupling Value, dB	6.3 ±1.0
Input Power per Port, W	100, avg.
Max. RF Peak Power, W	3000
Temperature Range, °C (°F)	-15 to +65 (5 to 149)
Height (Less Connectors), mm (in)	132.5 (5.22)
Width (Less Connectors), mm (in)	482.6 (19.0)
Length (Less Connectors), mm (in)	436.5 (17.19)
Mounts in 19" (483mm) EIA Rack	Yes
Weight, kg (lb)	10 (22)
Environmental Class	Indoor

Notes