

Wireless LAN

X Band Coupler 800-2200 & 2400-2500 MHz

FEATURES

- High Isolation, Low Loss Crossband Coupler/Diplexer/Combiner
- Ideal for Cellular & WLAN Applications

The New AMA-4420-50-N compact, stripline, Crossband Coupler typically used to diplex 800-2200 MHz AMPS / USDC, GSM, PCS / DCS 1800, PCS & 3G with Wireless LAN Applications, providing an effective solution to coupling the above bands to one feedline.

Port A Frequency: 800-960MHz;
1.7-2.2GHz
Isolation to port B: 50-70dB
Power: 100W Max.
Return loss: <-14dB
Thru loss: <0.5dB (0.3dB Typ @800-960MHz
<1dB (0.5dB Typ) @1.7-2.2GHz

Port B Frequency: 2.4-2.5GHz
Isolation to port A: 50-90dB
Power: 50W Max.
Return loss: <-14dB
Thru loss: <2.2dB (1.7dB Typ)

Port A+B
Return loss: <-14dB

Vibration Test Method: MIL-STD-810E
Operating Temp: -40 to +85°C
Storage Temp: -40 to +100°C
Humidity: 100%
(Connectors must be sealed after installation)
Size: 151x86x19mm
RF Connectors: N-F 50 Ohm

Note: Environmental version is available.
P/N: AMA-4420-50N-EN

