

Crossband Couplers

60-110 / 140-180 MHz

SP0000-1121-11



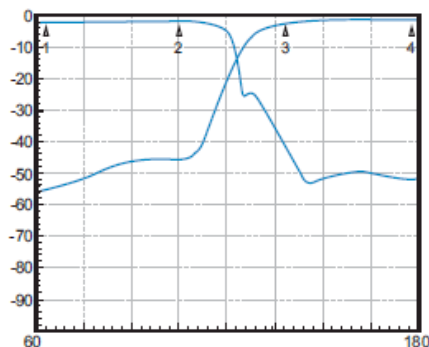
These crossband couplers are ideal for low and medium power applications requiring 66-88MHz or FM Broadcast 88-108MHz to be combined with VHF Hiband 144-174MHz. Typical applications include the combining or separating of signals for use with dual-band mobile radios or antennas, or for signal distribution systems including Bi-Directional Amplifiers (BDAs) and Radiating Cable systems.



These models feature small size, low insertion loss, high isolation between bands and excellent temperature stability. Silver-plated connectors are utilised to improve multi-carrier Passive Intermodulation (PIM) performance. Models are available to suit other frequency band combinations, or to provide "cascaded" combining of multiple frequency bands from 60MHz to 2500MHz thereby providing for the combining or separation of VHF, UHF, Cellular and WLAN services.

Features:

- Compact Package Size
- Ideal for Radiating Cable Systems
- Suits Mobile Applications
- Rugged Construction Style



Electrical

Model Number	SP0000-1121-11
Frequency <i>MHz</i>	60-110/140-180
Insertion Loss <i>dB</i>	<0.6 (typ)
Return Loss <i>dB</i>	>20
Isolation <i>dB</i>	>40
Power Rating <i>W</i>	50
Impedance Ω	50

Mechanical

Construction	Milled aluminium, painted black	
Dimensions <i>mm/ inches</i>	H	23 / 1
	W	105.5 / 4.1
	L	78.5 / 3
Weight <i>kg/lb</i>	0.35 / 0.77	
Connectors	Silver plated N female	
Temperature	-20 to +60°C / -4 to +140°F	