

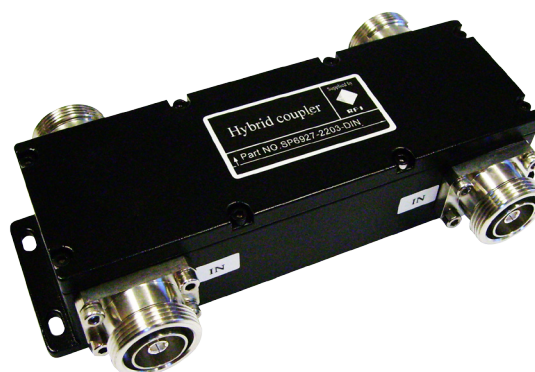
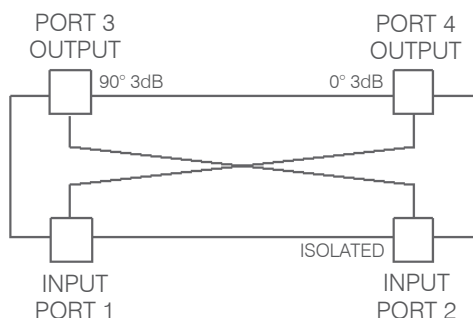
Hybrid Coupler
4-Port 3dB Hybrid Coupler
698-2700MHz
SP6927-2203-DIN



The 4-Port 3dB Hybrid Coupler covers all cellular bands from 698-2700MHz with a low Passive Inter-Modulation, high Peak Instantaneous Power and high environmental IP rating. Typically used to combine either in-band carriers or carriers across multiple bands to be fed into antenna feeders or In-Building leaky feeder or in-building Distributed Antenna Systems. Designed to IP67 the Hybrid Coupler can be used in both indoor and outdoor applications

Features:

- Broadband 698-2700MHz covering all cellular bands.
- Low Insertion Loss
- High Isolation (Ports 1 & 2) across full bandwidth >28dB
- Suitable for use in high power multi-carrier transmission systems
- Manufactured to a low PIM $\leq -150\text{dBc}$ (3rd Order 2x43dBm carriers) rating
- PIP Rating of 1000W
- Average Power rating of 500W
- Environmental IP 67 rating



Specifications

Model Number	SP6927-2203-DIN
Frequency Range	698-2700MHz
Coupling (Port 3 & 4)	3.05dB (+/- 0.4dB)
Isolation (Ports 1 & 2).	> 28dB
Return Loss	> 20.8dB
Average Power Rating	500W
Peak Power Rating (PIP)	1000W
PIM (3rd Order 2x43dBm)	$\leq -150\text{dBc}$
Impedance	50 Ohms
Connector Type (all termination ports)	7.16 DIN (F)
IP Rating	IP67
Finish	Black - Painted
Mounting	4 x 4.0mm / 1/8" slots on mounting flange
Dimensions (excl connectors)	H 44.5mm x W 199.2mm x D 58.4mm / H 1.75"x W 7.84"x L 2.29"
Weight	0.7kgs / 1.54lbs
Temperature	-40°C to $+60^{\circ}\text{C}$ / -40°F to 140°F

Ordering information	
Model Number	Description
SP6927-2203-DIN	4-Port 3dB Hybrid Coupler 698-2700MHz 7.16 DIN (F)