

4 IN 4 OUT Hybrid Coupler

HC-R4-OD200L, HC-R4-ON200L

698-2700MHz

- Compact and cost effective same band combining of 698-2700MHz signals.
- High inter-band isolation.
- High input power.
- Low insertion loss.
- The use of fewer than 4 inputs or outputs is possible. Any unused input ports have to be terminated with low-power 50Ω loads, unused output ports have to be terminated with high-power 50Ω loads.
- Suitable for indoor or outdoor applications



Electrical Specifications

Parameters	Specifications
Frequency Range	698-2700
Input Power (W)	200 (Avg.) 800 (peak)
Insertion Loss (dB)	≤0.5
Coupling Value (dB)	6.3
Coupling Tolerance (dB)	±0.8
Isolation Between Ports (dB)	≥20*
VSWR	≤1.25@698-2500MHz ≤1.35@2500-2700MHz
Intermodulation Products(dBc)	<-150 @2x43dBm
Impedance (Ω)	50

Mechanical Specifications

Parameters	Specifications
Dimensions, LxWxH (mm) / (in)	7/16 DIN-Female: 327x180x272 / Type N-Female: 327x180x272 /
Weight (kg) / (lb)	7/16 DIN-Female: 5 / Type N-Female: 3.5 /
Connector Type	HC-R4-OD200L: DIN-Female HC-R4-ON200L: N-Female
Operating Temperature Range (°C)	-40 to +85
Operational Humidity (%)	≤95
Environment Class	IP65 (Indoor/Outdoor)

* Valid if all ports are terminated with 50Ω load

Outline Drawing

