



# CDS2x2-43-617/3800-ECO

## 3dB Hybrid Coupler



The CDS2x2-43-617/3800-ECO hybrid coupler is four-port directional coupler which equally combines two wireless signals and transfers the combined signal to two output ports. The product is designed for wireless services and applications in the frequency band from 617-3800MHz including 2G/3G/4G. The broad frequency range and outstanding PIM rating is ideally suited for multi-band distributed antenna systems or in combination with RADIAFLEX® radiating cables.

### Features / Benefits

- 4.3-10-female interfaces
- PIM optimized design (160dBc @ 2x43dBm)
- Ideal for all kind of DAS applications
- Low insertion loss
- High power handling

## Technical Features

### STRUCTURE

Product Type	Directional Hybrid Coupler
Number of Input Ports	2
Number of Output Ports	2
Connector Type	4.3-10 female

### ELECTRICAL SPECIFICATIONS

Frequency Range	617 - 3800
Impedance	50 Ω
Return Loss (VSWR)	20.8 dB (1.2) @ 617 - 2700 MHz 17.7 dB (1.3) @ 2701 - 3800 MHz
Intermodulation (IM3)	-160 dBc (2x43dBm)
Isolation min	25 dB @ 617 - 2700 MHz 22 dB @ 2701 - 3800 MHz

### MECHANICAL SPECIFICATIONS

Height	37.9mm (1.492in)
Width	48.2mm (1.898in)
Length	144.5mm (5.689in)
Weight	0.6kg (1.323lb)

### TEMPERATURE SPECIFICATIONS

Temperature Range	-25°C to 65°C (-13°F to 149°F)
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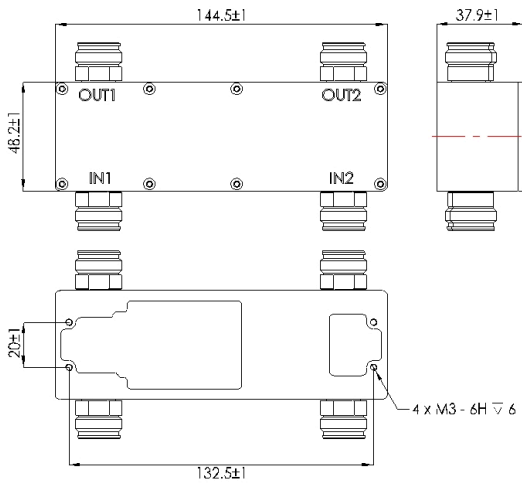
### TESTING AND ENVIRONMENTAL

Environmental Class	IP65
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External Document Links

Notes