

## Specifications

<b>Insertion Loss</b>	<b>Units</b>	<b>6 dB</b>	<b>9 dB</b>	<b>12 dB</b>
5-400 MHz	dB	1.6	1.2	0.9
400-600 MHz	dB	1.9	1.3	1.0
600-1002 MHz	dB	2.3	1.6	1.3

### Isolation (Out-Tap)

5-10 MHz	dB	32	40	40
10-65 MHz	dB	35	35	35
65-870 MHz	dB	28	28	28
870-1002 MHz	dB	26	26	26

### Return Loss (All ports)

5-1002 MHz	dB	19	20	20
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### General Specifications

Impedance	ohms	75
Surge Protection	-	All F-ports: IEEE C62.41-1991 Category A3, Ring Wave 6 kV 200 amperes per ANSI/SCTE 81 2007
Intermodulation Distortions	dBc	better than -95 per SCTE 145 2008
RFI Isolation	dB	130
Warranty	-	5 years

### Environmental Specifications

Operating Temperature	°C	-40 to +60
Hermetically Sealed Ports	psi	15
Corrosion Resistance	-	1,000 hour salt spray per SCCTE 143 2007

All values are typical unless noted otherwise and are valid for horizontal and vertical directional couplers.

Specifications are subject to change without notification.



**Ordering Information** Products are available in the following configurations:

#### Horizontal

- EVOI-DC-6** • Digital Directional Coupler, 6 dB, 1002 MHz
- EVOI-DC-9** • Digital Directional Coupler, 9 dB, 1002 MHz
- EVOI-DC-12** • Digital Directional Coupler, 12 dB, 1002 MHz,

#### Vertical

- EVOI-DC-6V** • Digital Directional Coupler, 6 dB, 1002 MHz, Vertical
- EVOI-DC-9V** • Digital Directional Coupler, 9 dB, 1002 MHz, Vertical
- EVOI-DC-12V** • Digital Directional Coupler, 12 dB, 1002 MHz, Vertical