

## Diplexer for the 0 - 1000 MHz and 1550 - 2500 MHz Ranges

### DESCRIPTION

- > Diplexer for splitting a combined GPS and TETRA radio signal.
- > Allows you to connect a separate radio and GPS antenna to a common radio port.
- > DC power supply for the high port to supply power to an active GPS antenna.
- > Extremely low insertion loss.
- > High isolation between the two antenna ports.
- > Especially suitable for the Motorola Digital Car Kit (DCK).
- > Wide-band coverage on the antenna ports:
  - > low (radio): 0000 - 1000 MHz
  - > high (GPS): 1550 - 2500 MHz
- > Easy installation with the mounted, double-sided adhesive pad.
- > RF Connectors: FME mounting plug.
- > DC connection: 1 m RG 316 cable with FME female connector for Motorola Car Kit.

### SPECIFICATIONS

Electrical	
Model	DIPX 1000/1550-DC-H/DCK
Frequency	Low port : 0 - 1000 MHz High port : 1550 - 2500 MHz
Max. Input Power	15 W each port
Insertion Loss	0 - 1000 MHz : = 0.8 dB 1550 - 2500 MHz: = 1.0 dB
Impedance	50 Ω
Isolation	Low to high port: = 45 dB
Max. DC-Current High Port	200 mA
Max. DC-Voltage High Port	25 V
Mechanical	
Connection(s)	LOW : FME HIGH : FME COM: FME DC cable: FME(f)
Dimensions	50 x 21 x 48 mm / 1.97 x 0.83 x 1.89 in.
Weight	Approx. 0.075 kg / 0.17 lb.
DC Cable	Fixed 1 m RG 316
Environmental	
Operating Temperature Range	-30°C to +70°C

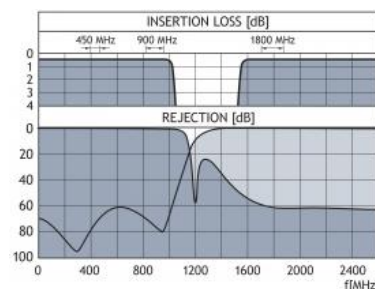
### ORDERING

Model	Product No.
DIPX 1000/1550-DC-H/DCK	200000789



### DIAGRAM

Diagrams



Diagrams

