

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
Insertion Loss	0 - 1000 MHz : = 0.8 dB 1550 - 2500 MHz: = 1.0 dB
Impedance	50 Ω
Isolation	Low to high port: = 45 dB
Maximum Input Power	15 W each port
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 FEMALE
Dimensions	50 x 21 x +50 mm
Weight	0.075 kg / 0.17 lb
DC Cable	Fixed 1 m RG 316

Environmental	
Operating Temperature Range	-30 °C to +70 °C

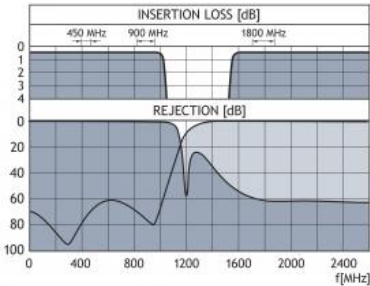
ORDERING

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



DIAGRAM

Diagrams



Diagrams

