

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

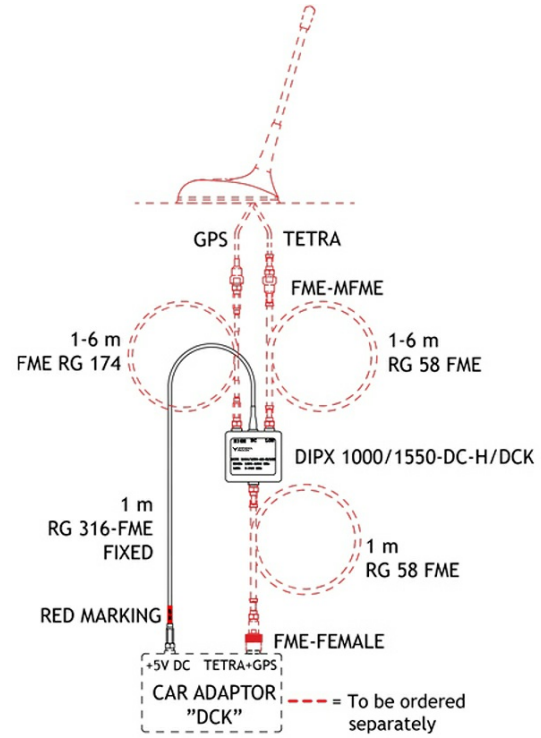
Mechanical	
Connection(s)	LOW : FME HIGH : FME COM : FME DC cable : FME(f)
Dimensions	50 x 21 x 48 mm / 1.97 x 0.83 x 1.89 in.
Weight	Approx. 0.075 kg / 0.17 lb.
DC Cable	Fixed 1 m RG 316

Environmental	
Operating temperature range	-30 °C to +70 °C

ORDERING

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

CONNECTION DIAGRAM



TYPICAL RESPONSE CURVE

