

Diplexer for the 0 - 1000 MHz and 1550 - 2500 MHz  
ranges with built-in GPS antenna power supply

DESCRIPTION

- Diplexer for splitting a combined GPS and TETRA radio signal or combining a GPS and a TETRA radio signal on a common line.
- Allows you to connect a separate TETRA antenna and a GPS antenna to a common radio port.
- 5V DC power supply on the HIGH port to supply power to an active GPS antenna.
- Built-in 12V to 5V converter.
- Extremely low RF insertion loss.
- High isolation between the two antenna ports.
- Wide-band coverage on the antenna ports:
  - LOW (radio): 0 - 1000 MHz.
  - HIGH (GPS): 1550 - 2500 MHz.
- FME-male RF connectors.
- 12 V DC connection with 1m red/black two-wire cable.
- Easy installation with the mounted double-sided adhesive pad.

SPECIFICATIONS

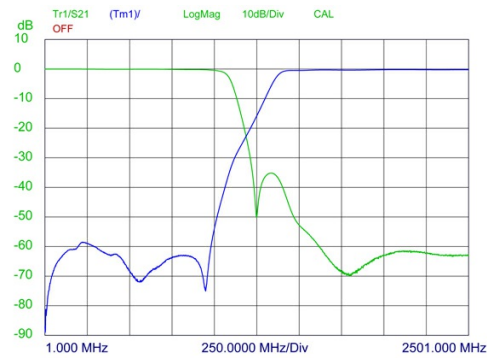
Electrical	
Model	DIPX 1000/1550-5V-H/DCRS
Frequency	Low port : 0 - 1000 MHz High port : 1550 - 2500 MHz
Max. Input Power	15 W each port
Insertion Loss	0 - 1000 MHz : = 0.8 dB 1550 - 2500 MHz: = 1.0 dB
Impedance	50 Ω
DC Input Voltage on DC Cable	8 - 14 V
Isolation	Low to high port: = 45 dB
DC Voltage on High Port	5 V
Max. DC-Current High Port	200 mA
Mechanical	
Connection(s)	LOW : FME(m) HIGH : FME(m) COM: FME(m) DC cable: red (+) / black (-)
Dimensions	50 x 21 x 50 mm / 1.97 x 0.83 x 1.97 in.
Weight	Approx. 0.075 kg / 0.17 lb.
DC Cable	Fixed 1 m / 40 in. dual wire red / black
Environmental	
Operating Temperature Range	-30°C to +70°C

ORDERING

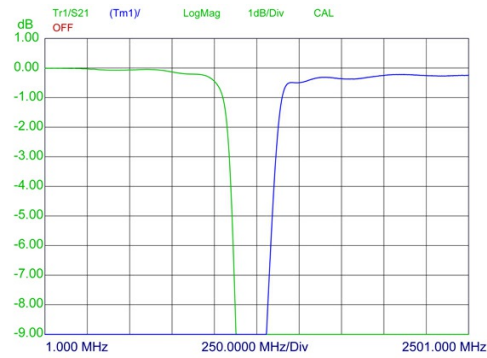
Type	Product No.
DIPX 1000/1550-5V-H/DCRS	200002551



TYPICAL RESPONSE CURVES - 10 DB



TYPICAL RESPONSE CURVES - 1 DB



CABLE MOUNTING

