

## DIPX 1000/1550-5V-H/DCRS

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

- 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.



### DESCRIPTION

- 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.
- 12V DC connection with 1m red/black two-wire cable.
- Easy installation with the mounted double-sided adhesive pad.

### ORDERING DESIGNATIONS

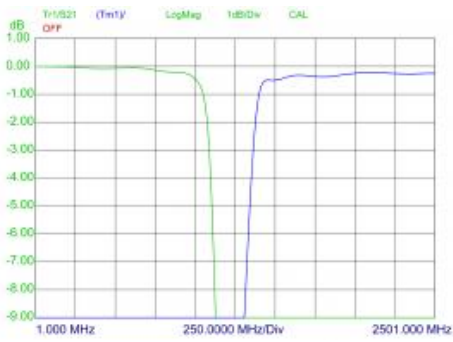
TYPE	PRODUCT NO.
DIPX 1000/1550-5V-H/DCRS	200002551

SPECIFICATIONS

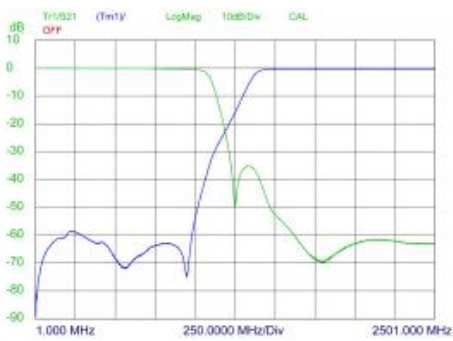
ELECTRICAL	
MODEL	DIPX 1000/1550-5V-H/DCRS
FREQUENCY	Low port : 0 - 1000 MHz High port : 1550 - 2500 MHz
MAX. INPUT POWER	15 W each port
INSERTION LOSS	0 - 1000 MHz : $\leq 0.8$ dB 1550 - 2500 MHz: $\leq 1.0$ dB
ISOLATION	Low to high port: $\geq 45$ dB
DC INPUT VOLTAGE ON DC CABLE	8 to 14 V
DC-VOLTAGE ON HIGH PORT	5 V
MAX. DC-CURRENT HIGH PORT	200 mA
IMPEDANCE	50 $\Omega$ on all terminals

MECHANICAL	
TEMP. RANGE	-30° C → +70° C
CONNECTORS	LOW : FME-male HIGH : FME-male COM: FME-male DC cable: red (+) / black (-)
DIMENSIONS (W x H x D)	50 x 21 x 50 mm / 1.97 x 0.83 x 1.97 in.
WEIGHT	Approx. 75 g / 0.17 lb.
DC CABLE	Fixed 1 m / 40 in. dual wire red / black

TYPICAL RESPONSE CURVES FOR 1 DB



TYPICAL RESPONSE CURVES FOR 10 DB



CABLE MOUNTING

