



DESCRIPTION

SSPD-113-149: Diplexer operates at 850 to 1990, 2400 to 2500 and 4800-5900 MHz. The Diplexer allows simultaneous use of a single antenna between GSM and wireless LAN type devices.

The diplexer exhibits very low insertion loss and has excellent isolation between frequency bands. The SSPD-113-149 is hermetically sealed.

The SSPD-113-149 can be paired with Sensor Systems telemetry and wireless antennas such as the S65-5366-720.

FEDERAL & MILITARY SPECS: IEEE 802.11 A/B/G/N, GSM (Global System for Mobile Communications), MIL-STD-810, MIL-HDBK-5400, MIL-E-5272.

SPECIFICATIONS	
MODEL	SSPD-113-149
ELECTRICIAL	
Frequency	850-1990 MHz 2400-2500 MHz 4800-5900 MHz
VSWR	≤ 2.0:1
Impedance	50 ohms
Insertion Loss	1.0 dB Typical
Isolation	850-1850 MHz: >20.0 dB 1850-1990 MHz: >15.0 dB 2400-2500 MHz: >15.0 dB 4800-5900 MHz: >20.0 dB
Power	850-1990 MHz: 6 Watts CW (Max) 2400-2500 MHz: 1 Watt CW (Max) 4800-5900 MHz: 1 Watt CW (Max)
MECHANICAL	
Weight	4 oz.
Height	1.18 in.
Length	3.25 in.
Width	1.38 in.
Finish	Blue Paint per Fed-Std-595 #25109
Material	6061-T6 Aluminum Alloy
Connector	Two (2) "TNC" Female One (1) "TNC" Male
ENVIRONMENTAL	
Temperature	-40°C (-40°F) to +85°C (+185°F)
Altitude	70,000 ft
Shock	15±2 G's for 11±1ms Half-Sine
Vibration	9 GS

