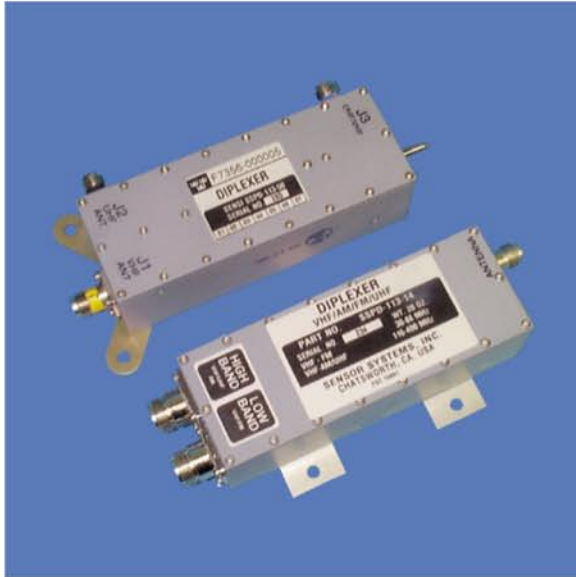


Diplexers SSPD-113-14; -15; -50; -115



DESCRIPTION

SSPD-113-14: Diplexer allows simultaneous operation of VHF/UHF communication frequencies through a single antenna to two radios: 30-88 MHz and 116-400 MHz. Isolation between frequency bands is 40 dB minimum. Hermetically sealed.

NSN: 5985-01-208-3318ZXN.

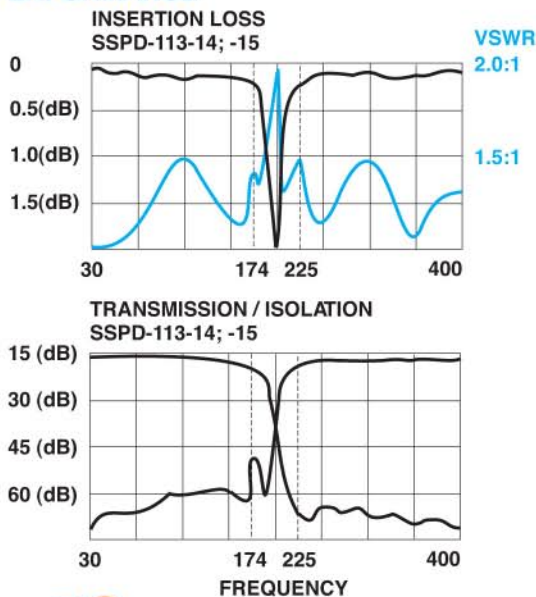
SSPD-113-15: Same as SSPD-113-14 except for frequency of 30-174 MHz and 225-400 MHz. Other frequencies available.

SSPD-113-115: Frequency same as (-15), but different mounting configuration.

SSPD-113-50: Mounting same as (-115) except 104-162 MHz and 223-408 MHz. Use on SAAB JAS 39.

FEDERAL & MILITARY SPECS: MIL-E-5400.

PERFORMANCE

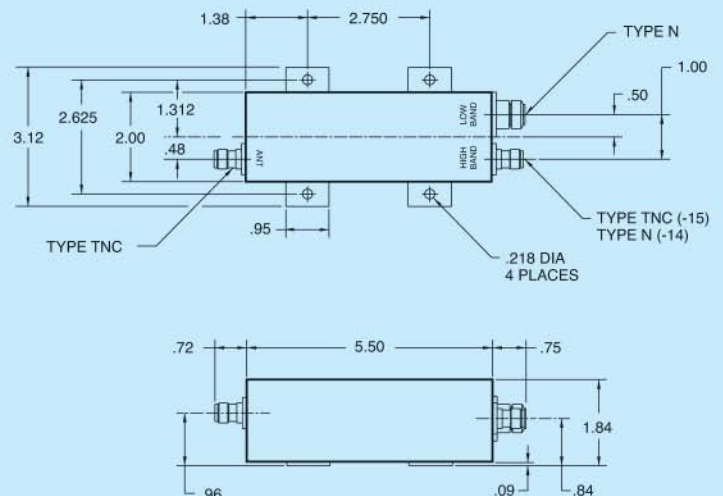


SPECIFICATIONS	DIPLEXERS VHF/AM/FM/UHF		
	SSPD-113-14	SSPD-113-15 SSPD-113-115	SSPD-113-50
ELECTRICAL			
Frequency	30-88 MHz (VHF-FM) 116-400 MHz (VHF-AM/UHF)	30-174 MHz (VHF-FM) 225-400 MHz (VHF-AM/UHF)	104-162 MHz (VHF) 223-408 MHz (UHF)
VSWR	1.50:1		1.5:1
Insert Loss	0.5 dB		
Isolation	40 dB		30 dB
EMI	MIL-I-6181		
Power	30 watts		100 watts
MECHANICAL			
Weight	20 oz.		16 oz.
Height	1.84 in.		
Material	6061-T6 aluminum		
Finish	Skydrol-resistant enamel		
Connector	See Connector chart		
ENVIRONMENTAL			
Temperature	-65°F to +160°F		
Vibration	10 G's		
Altitude	60,000 ft.		

CONNECTOR CHART

MODEL	CONNECTORS	PORT
SSPD-113-14	TNC	ANT
	N	HIGH BAND
	N	LOW BAND
SSPD-113-15	TNC	ANT
	TNC	HIGH BAND
	N	LOW BAND
SSPD-113-115	TNC	ANT
	TNC	HIGH BAND
	TNC	LOW BAND
SSPD-113-50	TNC	VHF ANT
	TNC	UHF ANT
	TNC	VHF/UHF RADIO

OUTLINE DRAWING



SSPD-113-14
SSPD-113-15

