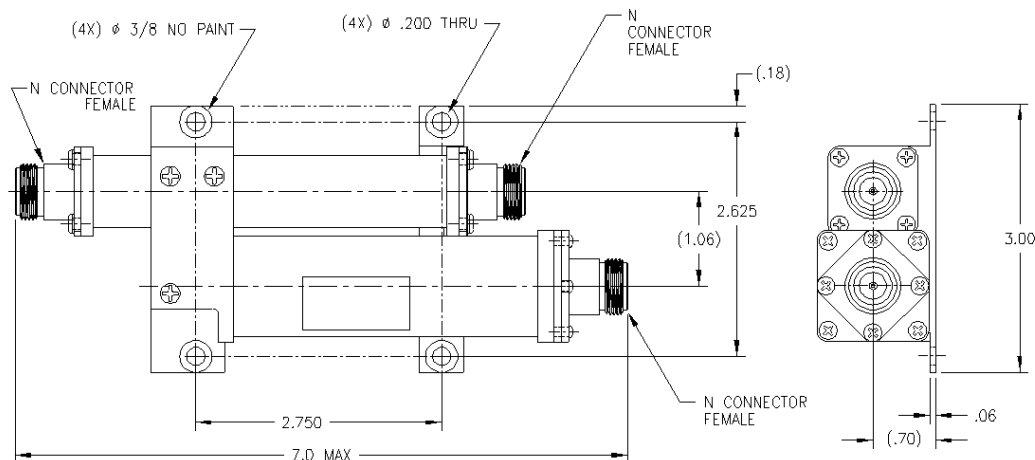


DPX44-866

Diplexer – VHF/UHF/WREN/TSM



Excellence in Aerospace since 1943



Specifications

Electrical

Frequency	30-450 MHz (port 1)
Pass Band:	1350-1850 MHz (port 2)
VSWR	1.7:1
Impedance	50 Ohms
Power	100 Watts CW
Insertion Loss (max)	1.0 dB at 30-450 MHz 1.5 dB at 1350-1390 MHz 1.0 dB at 1750-1850 MHz
Attenuation (min)	60 dB

Mechanical

Weight	0.4 lbs. max. (0.18 kg)
Length	7 in (177.8 mm)
Material	Aluminum
Finish	MIL-DTL-5541 Type II, Class 3
Connector	N-Type (Female)

Federal Specifications

Approvals	MIL-STD-810F
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DPX44-866 Diplexer – VHF/UHF/WREN/TSM

The DPX44-866 is a 3-port diplexer. The first port has a pass-band of 30 to 450 MHz. Options are available that increase the frequency range to 512 MHz and above. The second port has a pass-band of 1350 to 1850 MHz for the Soldier Radio Waveform (SRW). This diplexer has excellent electrical properties for isolating VHF/UHF communications and UHF SATCOM bands from IFF, TACAN and SRW bands. It is extremely durable and will pass all military environmental requirements. This is a cost-effective, light-weight solution for combining and isolating RF systems. By using this diplexer with a single connector antenna such as the VL10-421 you can run a single coaxial cable to two receivers if they are in close proximity.

Applications

Diplexer is designed to be used to connect two radios to a single antenna or two antennas to a single radio.

Accessories and Options

Increase of UHF frequency range to 512 MHz+