

DBD2

VHF/UHF Dual Band Diplexer

PRODUCT OVERVIEW

The DBD2 is a dual band diplexer that enables simultaneous VHF and UHF operation, either with a dual-band transceiver and separate VHF and UHF antennas, or with a broadband antenna and two transceivers (one for VHF and one for UHF).

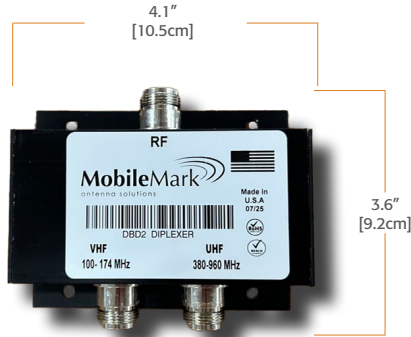
Rugged Construction: This coupler is designed to handle 150 watts when connected to the correct ports. All 1000-volt capacitors have been used in filter stages to ensure trouble free high power operation.

Weatherproof: The black anodized aluminum housing is designed to provide splashproof protection when installed in a vehicle during operation. Teflon "N" connector terminations ensure highest quality interface for all signals.

Isolation: A minimum of 20dB isolation at VHF and UHF in active bands with VSWR @ less than 1.5:1 with all ports terminated at 50 ohms.

Electrical Specifications	
Frequency	100-174, 380-960MHz
Insertion Loss	<0.3dB (across 98% of Mid-Band) <0.6dB (across 2% of Band Edge)
VSWR	<1.5:1
Impedance	50 Ohms
Power Rating	150 Watts

Mechanical Specifications	
Construction	Black anodized amluminum housing
Termination	Teflon Type "N" female
Dimensions	4.1" (10.5cm) long x 3.6" (9.2cm) wide x 1.2" (3.1cm) height
Mounting	Mounting Flange
Weight	0.623 lbs (283g)



HIGHLIGHTS:

- VHF/UHF Dual Band Coupler
- 100-174, 380-960 MHz
- Rugged, Durable, and Weatherproof
- Fast Delivery
- Manufactured in North America & Europe

COMMON APPLICATIONS:

- Land Mobile Radio
- Public Safety
- Ambulance
- Fire Department
- Transportation

BANDS:

- VHF
- UHF



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