



21-80-47
UHF DIPLEXER
136-520/764-870 MHz

The 21-80-47 is a UHF diplexer designed to separate RF signals in the band 136 - 520 MHz from those in the band 764 - 870 MHz. The design utilizes stripline and lumped component hybrid circuitry contained within a rugged aluminum box.



SPECIFICATION

Frequency Ranges	Low pass band: 136 - 520 MHz
	High pass band: 764 - 870 MHz
Impedance	50 Ω nominal
VSWR	≤ 1.25:1*
Insertion Loss	≤ 0.5 dB*
Isolation	≥ 50 dB*
Connector	3 off TNC Female
Power	50 Watts CW
	*See page 2 for Actual Performance Measurements
Weight	0.7 lbs (0.32 kg)
Max Dimensions (excluding connectors)	4.5 x 3.0 x 1.2 inches (115 x 77 x 31 mm)
Environmental	MIL-STD-810
Finish	Lusterless Black Urethane

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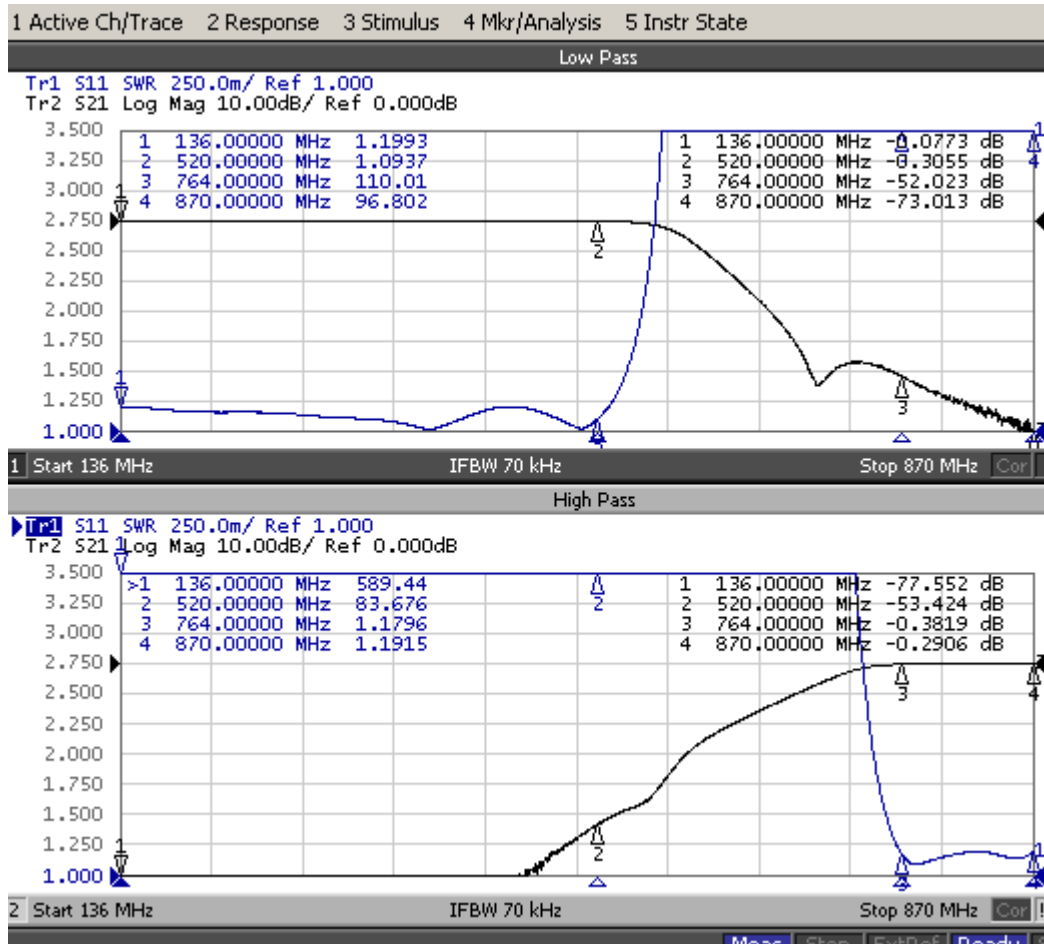
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SPECIFICATIONS

Cooper Antennas Model 21-80-47

UHF DIPLEXER

Diplexer Performance Measurements



Note: Cooper Antennas Ltd has a policy of continuous product improvement and data herein is therefore subject to change. Please check with Cooper Antennas Ltd that this data sheet is at latest issue before initiating contract activity.