



21-80-45  
VHF/AIS DIPLEXER

The 21-80-45 is a V/UHF diplexer designed to separate RF signals in the band 30 - 137 MHz from those in the band 160 - 512 MHz. The design utilizes stripline and lumped component hybrid circuitry contained within a rugged aluminum box and is particularly suited to feeding VHF and AIS radios from a single antenna.



**SPECIFICATION**

<b>Frequency Ranges</b>	<b>Low pass band: 30 - 137 MHz</b>
	<b>High pass band: 160 - 512 MHz</b>
<b>Impedance</b>	<b>50 Ω nominal</b>
<b>VSWR</b>	<b>≤ 1.5:1</b>
<b>Insertion Loss</b>	<b>≤ 0.75 dB (max)</b>
<b>Isolation</b>	<b>≥ 40 dB</b>
<b>Connector</b>	<b>3 off TNC</b>
<b>Power</b>	<b>30 Watts CW</b>
<b>Weight</b>	<b>0.7 lbs (0.32 kg)</b>
<b>Max Dimensions (excluding connectors)</b>	<b>4.5 x 3.0 x 1.2 inches (115 x 77 x 31 mm)</b>
<b>Environmental</b>	<b>MIL-STD-810</b>
<b>Finish</b>	<b>Lusterless Black Urethane</b>

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