

50W VHF Mobile Notch Duplexer

140-174MHz

DPxxx-516x-NR Series

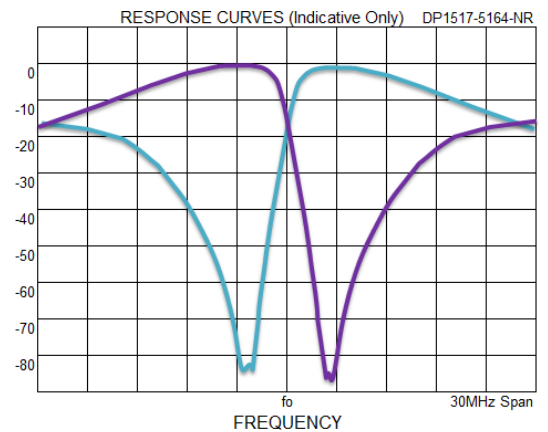


RFI's range of rugged six resonator mobile notch duplexers are ideal for use as a single duplex channel duplexer. The good Lo to Hi port-to-port isolation reduces the risk of carrier desensitisation in the nominated Rx port. A range of different minimum Tx to Rx separations in the common VHF sub-bands are available.



Features:

- Ruggedised, compact and temperature stable design
- 4.6 to 7MHz minimum Tx to Rx separation options
- Low insertion loss
- Typically ≥ 75 dB port to port isolation
- 50W (CW) power rating
- Flat surface mounting holes provided
- Tx / Rx reversible on Lo / Hiports



Technical Specifications

Model Number	DP1415-5167-NR	DP1416-5164-NR	DP1517-5164-NR	DP1517-5166-NR
Type	Notch Duplexer			
Frequency <i>MHz</i>	140-150	140-160	150-174	150-174
Tx to Rx Separation (minimum) <i>MHz</i>	7	4.6	4.6	6.8
Low & High Pass Port Insertion Loss (typical) <i>dB</i>	≤ 1.5			
Port to Port Isolation (typical) <i>dB</i>	≥ 75			
Input Power (CW Maximum) <i>W</i>	50			
Impedance Ohms	50			
Return Loss / VSWR	>14 dB / 1.5:1			
Termination Connectors	N(f)			
Mounting Option	Flat Surface Mounting			
Finish	Painted Black			
Net Dimensions <i>mm / in</i>	H	32.5 / 1.28		
	W	155 / 6.1		
	D	190 / 7.48		
Net Weight <i>Kg / lb</i>	0.86/ 1.89l			
Temperature Range (operational) <i>C / F</i>	-30o to +60o / -22o to +140o			
Compliance	RoHS			

Ordering Information

Model Number	Description
DP1415-5167-NR	Duplexer Mobile Notch, 140-150MHz, 7MHz T/R, 50W, N(F)
DP1416-5164-NR	Duplexer Mobile Notch, 140-160MHz, 4.6MHz T/R, 50W, N(F)
DP1517-5164-NR	Duplexer Mobile Notch, 150-174MHz, 4.6MHz T/R, 50W, N(F)
DP1517-5166-NR	Duplexer Mobile Notch, 150-174MHz, 6.8MHz T/R, 50W, N(F)