

# 250W VHF Band Pass / Band Reject Duplexer

148-174MHz

DP1417-3442-31

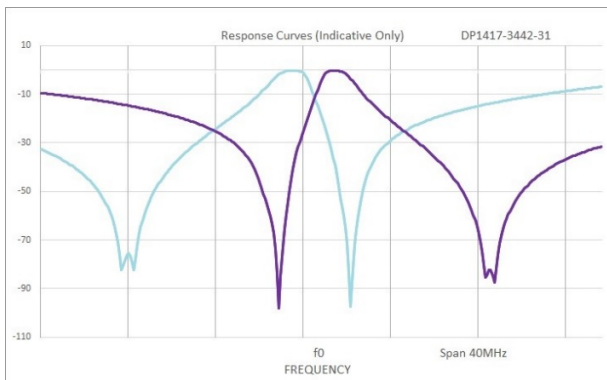


These duplexers are ideal for use with analogue and digital technologies for high power repeater base stations, telemetry, links and other applications. The high-selectivity resonators coupled together in a band-pass / band-reject configuration provide a pseudo-bandpass response that can cater for the very narrow frequency separations typically used in this frequency band, and that assists in providing protection from co-sited equipment.

Excellent tuning stability is maintained across the guaranteed extended temperature range. The black painted finish provides excellent corrosion protection, and the convenient form factor and mounting holes allow the unit to be deployed into a range of installation configurations.

## Features:

- Rugged, temperature stable design
- Minimum 0.6MHz Tx to Rx Duplex split
- 250W (CW) Power rating
- Low insertion loss
- Typical 80dB port to port isolation
- Flat surface mounting holes provided



## Technical Specifications

Model Number		DP1417-3442-31
Type		Band Pass/Band Reject
Frequency Range MHz		148-174
Tx to Rx Separation (minimum) MHz		0.6
Insertion Loss (typical) dB		2
Port to Port Isolation (typical) dB		80
Input Power (CW Maximum) W		250
Impedance Ohms		50
Return Loss dB / VSWR		>20 / < 1.22:1
Termination Connectors		N(f)
Temperature Range (operational) C / F		-30° to +60° / -22° to +140°
Mounting Option		Flat Surface Mounting
Finish		Painted Black
Net Dimensions mm / in	H	105 / 4.13
	W	483 / 19.01
	D	800 / 31.49
Net Weight Kg / lb		11.7 / 25.8
Compliance		RoHS

## Ordering Information

Model Number	DP1417-3442-31
DP1417-3442-31	Duplexer Band Pass / Band Reject, 148-174MHz, T/R 0.6MHz, 250W, N(f)