

Duplexer

167-172MHz

Band Pass
DP1617-0881-32



RFI's range of compact multi-resonator milled aluminium band pass duplexers are ideal for use where space is restricted or at a premium. The good Tx to Rx port-to-port isolation and medium power capability make these ideal single channel duplexers for busy radio sites. The temperature stable resonators provide a wide operational temperature range ensuring important electrical specifications such as insertion loss and Tx port to Rx port isolation are maintained.

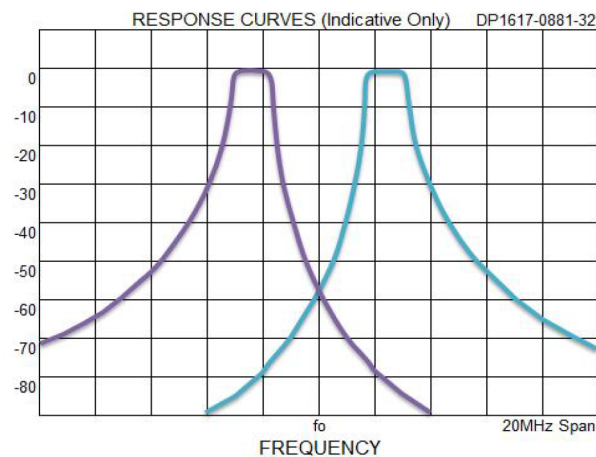
Features:

- Compact temperature stable design
- ± 1 MHz Pass Band Low & High ports
- 75W (CW) power rating
- Low insertion loss ripple
- 4RU 19" Rack mount front panel
- 4.6MHz Tx to Rx Duplex split



Specifications

Model Number	DP1616-0881-32
Type	Band Pass
Tuneable frequency range - Low Pass Port	167MHz \pm 1.5MHz
Tuneable frequency range - High Pass Port	172MHz \pm 1.5MHz
Pass Band - High and Low ports - typical	1MHz
Tx to Rx Separation - typical	4.6MHz
Low & High Pass Port Insertion Loss - typical	≤ 1.6 dB
Low & High Pass Port - ripple	≤ 0.6 dB
Port to Port Isolation - typical	≥ 75 dB
Input Power (CW) - max	75W
Impedance	50 Ω
Return Loss / VSWR	≥ 19 dB / $\leq 1.25:1$
Termination Connectors	N (F)
Mounting Option	4RU 19" Rack mount front panel
Finish	Painted Black
Duplexer only dimensions (mm/inches excl connectors)	H 150 (5.88") x W 244 (9.60") x D 124(4.9")
Duplexer with panel dimensions (mm/inches excl connectors)	H 178 (7") x W 483 (19") x D 124(4.9")
Weight - approx	3.9kg / 8.58lbs
Temperature Range	-30° to +60° C / -22° to +140° F



Ordering information	Description
DP1617-0881-32	Duplexer B.P:167-172MHz, 1MHz PB, 4.6MHz T/R, 75W, 4RU