

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 relatively broad pass band characteristic, good duplex port to port isolation, high power and multi-carrier capability make these ideal duplexers for either single carrier or combined multicarrier systems. 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:

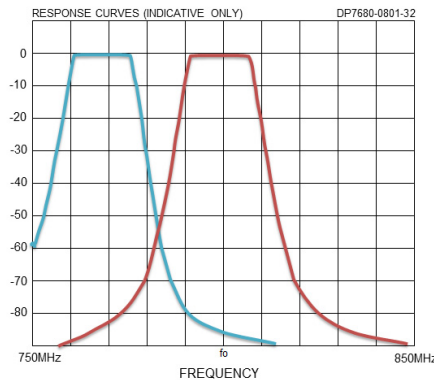
- 14MHz Pass Band low & high ports
- 30MHz Tx to Rx duplex split
- 100W (CW) Power rating
- Low insertion loss and pass band ripple
- 100W (CW) per port power rating
- 2RU 19" Rack mount front panel
- Compact temperature stable design



Specifications

Model Number	DP7680-0801-32
Type	Band Pass
Frequency range - Low Pass Port	762-776MHz
Frequency range - High Pass Port	792-806MHz
Pass Band - High and Low Ports	14MHz
Tx to Rx Separation	30MHz
Low & High Pass Port Insertion Loss - typical.	≤1.5dB
Low & High Pass Port - ripple	≤0.4dB
Port to Port Isolation - typical	≥80dB
Input Power (single carrier CW) - max	100W*
Impedance	50Ω
Return Loss / VSWR	≥19dB / ≤1.25:1
Termination Connectors	N (F)
Mounting Option	2RU 19" Rack mount front panel
Finish	Painted Black
Duplexer only dimensions (mm/inches excl connectors)	H 45 (1.7") x W 124 (4.9") x D 153 (6.0")
Duplexer with panel dimensions (mm/inches excl connectors)	H 89 (3.5") x W 483 (19") x D 156 (6.14")
Weight - approx	1.9kg / 4.18lbs
Temperature Range	-30° to +60° C / -22° to +140° F

* Please refer to RFI for multi-carrier power ratings



Ordering Information	Description
DP7680-0801-32	Duplexer B.P 762-806MHz 14MHz PB, 30MHz T/R, 100W, 2RU