

UHF Band Pass / Band Reject Duplexer

470-490MHz

DP4749-3462-32



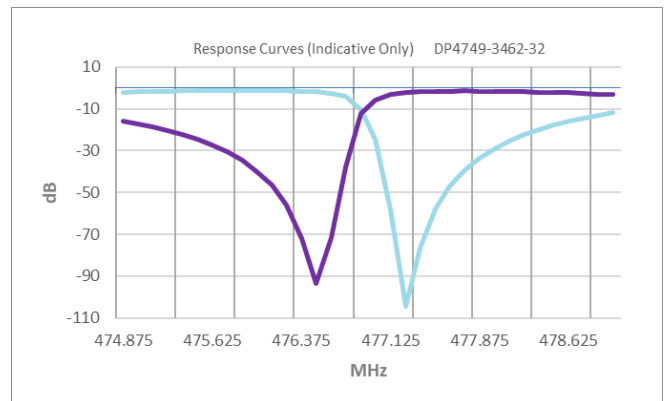
This duplexer is ideal for repeater base station applications where the stringent performance characteristics of close Tx/Rx separations are required - such as CB Radio repeaters. This model comprises eight cavity filters coupled together in a band-pass/band-reject configuration offering low insertion loss and high port-to-port isolation in an optimised design incorporating a combination of passband selectivity, out-of-band rejection, and space-efficient physical dimensions.

Excellent tuning stability is maintained across the guaranteed temperature range.



Features:

- Compact temperature stable design
- Supports close Tx-Rx frequency separations
- 100W (CW) Power rating
- Low insertion loss ripple
- 5RU 19" Rack mount front panel
- 0.75MHz Tx to Rx Duplex split



Technical Specifications

| Model Number | | DP4749-3462-32 |
|---------------------------------------|---|--------------------------------|
| Type | | Band-Pass / Band-Reject |
| Frequency MHz | | 470-490MHz |
| Tx to Rx Separation (minimum) MHz | | 0.75 |
| Insertion Loss (maximum) dB | | 2.5 |
| Port to Port Isolation (minimum) dB | | 90 |
| Input Power (CW Maximum) W | | 100 |
| Impedance Ohms | | 50 |
| Return Loss dB / VSWR | | 18 / 1.29:1 |
| Termination Connectors | | N(f) |
| Temperature Range (operational) C / F | | -30° to +60° / -22° to +140° |
| Mounting Option | | 5RU 19" Rack mount front panel |
| Net Dimensions mm / in | H | 221 / 8.70 |
| | W | 483 / 19 |
| | D | 420 / 16.53 |
| Net Weight Kg / lb | | 23 / 50.71 |
| Compliance | | RoHS |

Ordering Information

| Model Number | Description |
|-----------------|----------------------------------------------------|
| DP4749-34612-32 | Duplexer BP/BR 470-490MHz, ≥0.75MHz T/R, 100W, 5RU |