

12-Resonator Band-Pass Duplex Filter for TETRA Band

DESCRIPTION

- The DPBP 70/3333-TETRA-N-... is a 2 x 6 resonator band-pass duplex filter designed to combine TETRA TX and RX to one common feeder.
- The filter uses reduced-length ¼ λ cavities in a compact, strong aluminium housing.
- 19" drawers available as options.
- Silver-plating ensures low insertion loss.
- Built-in DC stop between all ports.



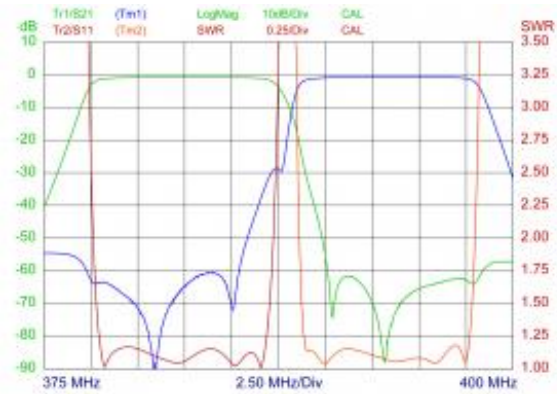
SPECIFICATIONS

| Electrical            |                          |
|-----------------------|--------------------------|
| Model                 | DPBP 70/3333-TETRA-N-... |
| Frequency             | 380 - 470 MHz            |
| Max. Input Power      | 200 W                    |
| Tx-Rx Spacing         | 5 MHz                    |
| Insertion Loss        | ≤ 1.2 dB (typ. 1.0)      |
| Impedance             | 50 Ω                     |
| VSWR                  | ≤ 1.5 (typ. ≤ 1.3)       |
| Stop Band Attenuation | > 60 dB (typ. > 63 dB)   |

| Mechanical    |                                                                                                              |
|---------------|--------------------------------------------------------------------------------------------------------------|
| Connection(s) | N(f)                                                                                                         |
| Dimensions    | 218 x 300 x approx. 105 mm (incl. adjusting screw) / 8.58 x 11.81 x approx. 4.13 in. (incl. adjusting screw) |
| Weight        | Approx. 6.6 kg / 14.55 lb.                                                                                   |

| Environmental               |                       |
|-----------------------------|-----------------------|
| Operating Temperature Range | -20°C to +60°C        |
| Frequency Stability         | 4.5 ppm/° C (approx.) |

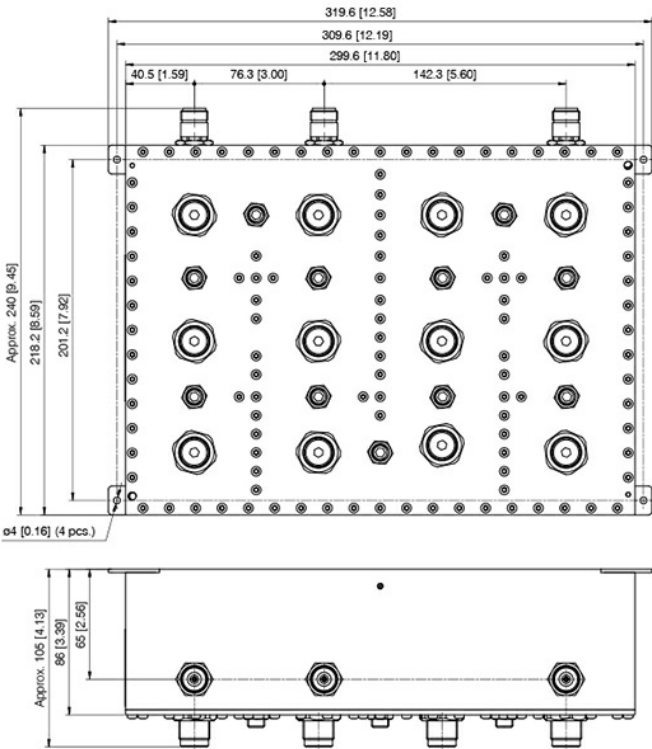
Typical response curves



ORDERING

| Model                  | Product No. | Frequency                     |
|------------------------|-------------|-------------------------------|
| DPBP 70/3333-TETRA-N-1 | 200000655   | 380 - 385 MHz / 390 - 395 MHz |
| DPBP 70/3333-TETRA-N-2 | 200001806   | 385 - 390 MHz / 395 - 400 MHz |
| DPBP 70/3333-TETRA-N-3 | 200001807   | 410 - 415 MHz / 420 - 425 MHz |
| DPBP 70/3333-TETRA-N-4 | 200001808   | 415 - 420 MHz / 425 - 430 MHz |
| DPBP 70/3333-TETRA-N-5 | 200001809   | 450 - 455 MHz / 460 - 465 MHz |
| DPBP 70/3333-TETRA-N-6 | 200001810   | 455 - 460 MHz / 465 - 470 MHz |

Mounting Details



All dimensions are given in mm [in.]

