

12-Resonator Band-Pass Duplex Filter for TETRA Band

DESCRIPTION

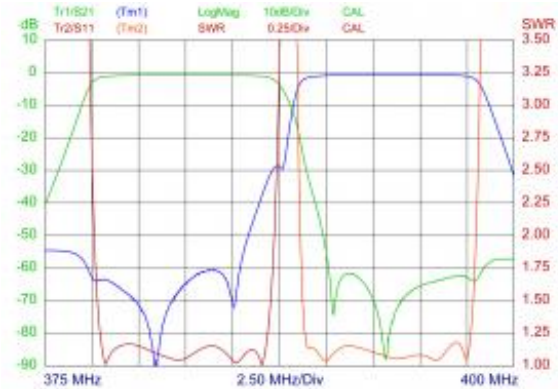
- The DPBP 70/3333-TETRA-N-... is a 2 x 6 resonator band-pass duplex filter designed to combine TETRA TX and RX to one common feeder.
- The filter uses reduced-length ¼ λ cavities in a compact, strong aluminium housing.
- 19" drawers available as options.
- Silver-plating ensures low insertion loss.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

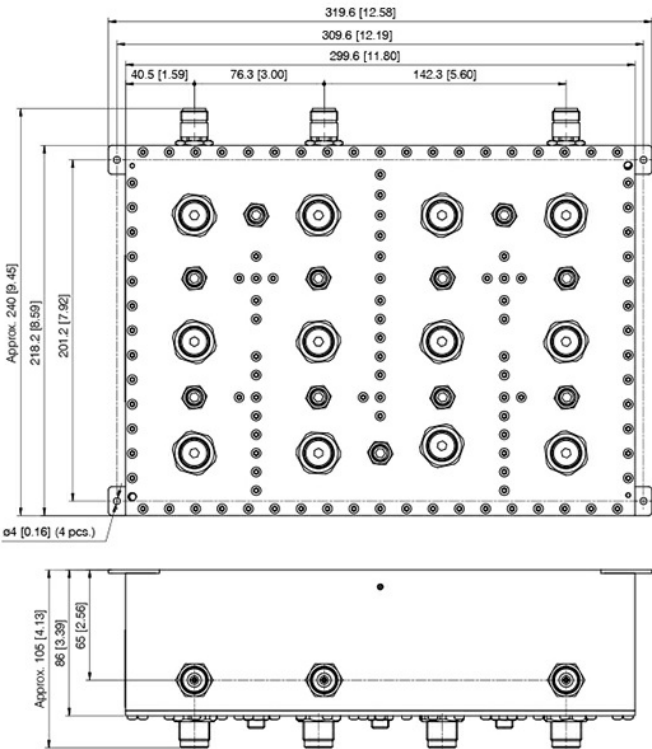
TYPICAL RESPONSE CURVES



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.]

