

## 10-Cavity Duplexer for TETRA Band

### DESCRIPTION

- The DPF 70/55-...-TETRA-N is a 2 x 5 cavity filter for duplex radio telephones.
- The filter uses full-length  $\frac{1}{4} \lambda$  cavities in a compact, extruded aluminium housing.  
The chassis is made of passivated steel, and teflon insulation has been applied in the coaxial cables and in the connectors.
- The filter is coated with black vinyl to prevent corrosion.



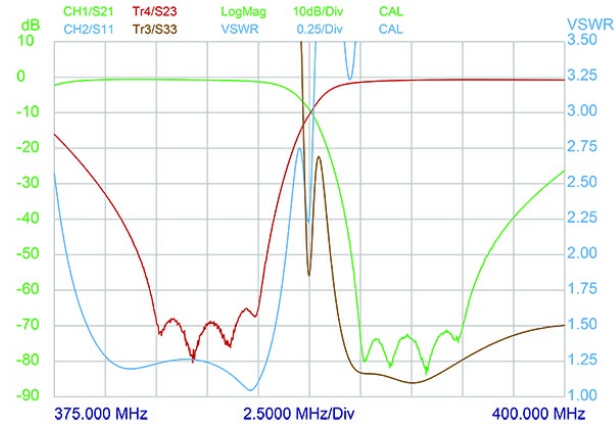
### SPECIFICATIONS

Electrical	
Model	DPF 70/55-...-TETRA-N
Frequency	Tx : 380 - 420 MHz Rx : 390 - 430 MHz (depends on model)
Max. Input Power	50 W
Pass Band Insertion Loss	< 1.5 dB (typ. 1.3)
Impedance	50 $\Omega$
VSWR	< 1.5:1
Stop Band Attenuation	> 60 dB
Mechanical	
Connection(s)	N(f)
Dimensions	247 x 129 x 58 mm / 9.72 x 5.08 x 2.28 in. (excl. conn.)
Weight	Approx. 1.4 kg / 3.09 lb.
Environmental	
Operating temperature range	-30 °C to +60 °C
Frequency Stability	4.5 ppm/° C (approx.)

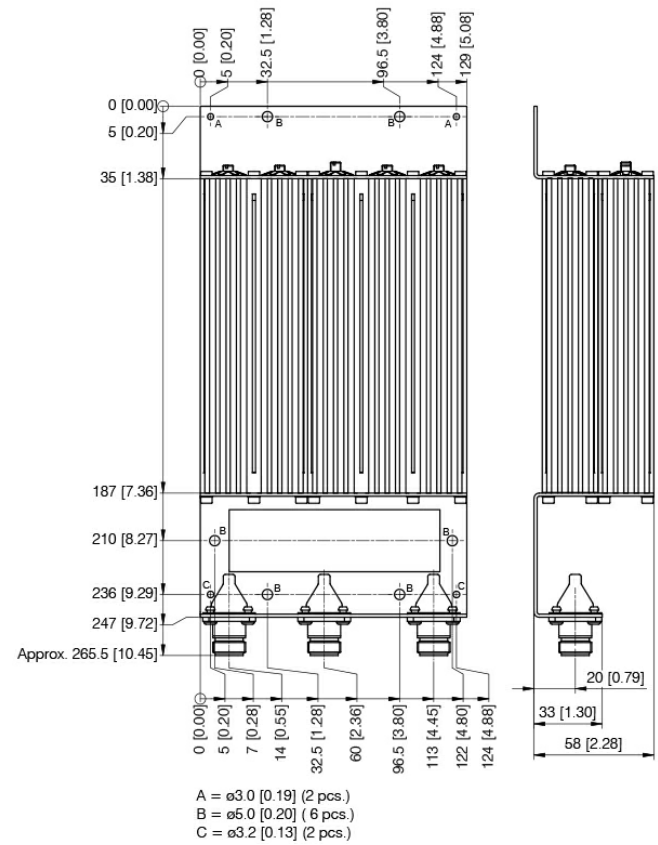
### ORDERING

Model	Product No.	Frequency
DPF 70/55-1-TETRA-N	200000341	Tx: 380 - 385 MHz / Rx: 390 - 395 MHz
DPF 70/55-2-TETRA-N	200000348	Tx: 385 - 390 MHz / Rx: 395 - 400 MHz
DPF 70/55-3-TETRA-N	200000347	Tx: 410 - 415 MHz / Rx: 420 - 425 MHz
DPF 70/55-4-TETRA-N	200000342	Tx: 415 - 420 MHz / Rx: 425 - 430 MHz

TYPICAL RESPONSE CURVES



MOUNTING DETAILS



All dimensions are given in mm [in.]

