

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 ¼ λ 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	See model selection table
Pass Band Insertion Loss	< 1.5 dB (typ. 1.3)
Impedance	50 Ω
VSWR	< 1.5:1
Maximum Input Power	50 W
Stop Band Attenuation	> 60 dB
Frequency Stability	4.5 ppm/° C (approx.)

Mechanical	
Connection(s)	N(f)
Dimensions	260 x 130 x 58 mm
Weight	1.4 kg / 3.09 lb

Environmental	
Operating Temperature Range	-30 °C to +60 °C

ORDERING

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



DIAGRAM

TYPICAL RESPONSE CURVES

