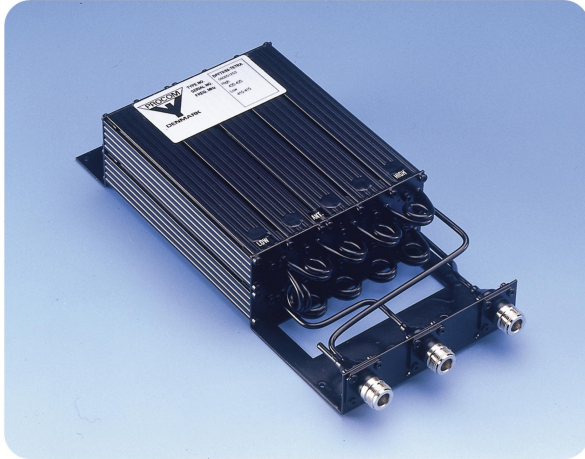


# DPF 70/55-...-TETRA-N

## TETRA-N - 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 black vinyl coated to prevent corrosion.



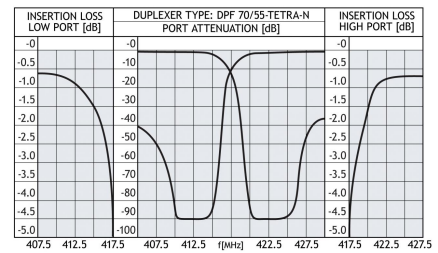
### ORDERING DESIGNATIONS

| TYPE NO.            | PRODUCT NO. | TX MHZ    | RX MHZ    |
|---------------------|-------------|-----------|-----------|
| DPF 70/55-1-TETRA-N | 200000341   | 380 - 385 | 390 - 395 |
| DPF 70/55-2-TETRA-N | 200000348   | 385 - 390 | 395 - 400 |
| DPF 70/55-3-TETRA-N | 200000347   | 410 - 415 | 420 - 425 |
| DPF 70/55-4-TETRA-N | 200000342   | 415 - 420 | 425 - 430 |

### SPECIFICATIONS

| ELECTRICAL                 |   |
|----------------------------|---|
| MODEL                      | DPF 70/55-...-TETRA-N                         |
| MAX. INPUT POWER           | 50 W  |
| TX/RX-FREQUENCY            | See model selection table below               |
| INSERTION LOSS IN PASSBAND | $\leq 1.5$ dB (typ. 1.3)                      |
| ATTENUATION IN STOPBAND    | $> 60$ dB                                     |
| IMPEDANCE                  | Nom. 50 $\Omega$                              |
| SWR (All ports)            | $\leq 1.5$                                    |
| MECHANICAL                 |   |
| TEMP. RANGE                | $-30^{\circ}$ C $\rightarrow$ $+60^{\circ}$ C |
| FREQ. STABILITY            | Approx. 4.5 ppm/ $^{\circ}$ C                 |
| CONNECTORS                 | N-female                                      |
| DIMENSIONS (L x W x H)     | 260 x 130 x 58 mm                             |
| WEIGHT                     | Approx. 1400 g                                |

### TYPICAL RESPONSE CURVES



PROCOM A/S reserve the right to amend specifications without prior notice.  
28/02/11