

Dielectric Filter for GPS

Features

- ★ High attenuation
- ★ Very low insertion loss

Applications

- ★ Mobile station
- ★ PHS



Specifications (Characteristics)

Part Number	Center Frequency (MHz)	Band Width (MHz)	Insertion Loss (dB)	Ripple (dB)	VSWR (BW)	Attenuation (dB)	Dimension (mm)	Pole Type
DFC1575B40AC	1575.42	± 20.0	≤ 2.0	≤ 0.5	≤ 2.0	≥ 10 (fo + 100MHz) ≥ 13 (fo - 100MHz)	4.8 x 5.8 x 2.8	C
DFC1575C20A	1575.42	± 10.0	≤ 3.0	≤ 1.0	≤ 2.0	≥ 10 (fo ± 40MHz)	5.1 x 5.8 x 3.8	C
DFC1575V20AA	1575.42	± 10.0	≤ 2.5	≤ 0.5	≤ 2.0	≥ 12 (fo + 100MHz) ≥ 25 (fo - 100MHz)	4.8 x 3.6 x 1.9	C
DFC1575D02A	1575.42	± 1.0	≤ 3.5	≤ 0.5	≤ 2.0	≥ 45dB at 1475.42MHz ≥ 25dB at 1525.42MHz ≥ 18dB at 1625.42MHz ≥ 30dB at 1675.42MHz	5.1 x 5.8 x 2.8	C
DFC1575E30A	1575.42	± 15.0	≤ 1.5	≤ 0.5	≤ 2.0	≥ 12 (fo + 100MHz) ≥ 18 (fo - 100MHz)	5.3 x 7.5 x 3.75	Z
DFC1575F02A1	1575.42	± 1.0	≤ 2.5	≤ 0.5	≤ 2.0	≥ 20 (fo ± 50MHz)	5.7 x 7.0 x 3.0	C
DFC1595B44A	1595.00	± 22.0	≤ 2.0	≤ 0.5	≤ 2.0	≥ 7 (fo + 72MHz) ≥ 12 (fo - 72MHz)	4.0 x 5.8 x 2.9	C
DFC1595R42A1	1595.00	± 21.0	≤ 3.0	≤ 1.0	≤ 1.5	≥ 20 (at 2.5G)	10.3 x 11.8 x 11.8	C
DFC1606R25A	1606.00	± 12.5	≤ 2.5	≤ 1.0	≤ 1.5	≥ 30 (fo ± 100MHz)	10.50 x 11.8 x 3.8	C
DFC1615C20A	1615.00	± 10	≤ 3.0	≤ 1.0	≤ 1.7	≥ 19 (fo + 100MHz) ≥ 25 (fo - 100MHz)	5.0 x 5.8 x 2.8	C
DFC1615P10A	1615.00	± 5.0	≤ 3.0	≤ 1.0	≤ 2.0	≥ 30 (at 2485MHz)	5.0 x 5.8 x 2.8	C
DFC1616B40A	1615.68	± 20.0	≤ 2.0	≤ 0.5	≤ 2.0	≥ 12 (fo + 100MHz) ≥ 20 (fo - 100MHz)	4.0 x 5.8 x 2.8	C
DFC1616D10A	1615.68	± 5.0	≤ 4.0	≤ 0.5	≤ 2.0	≥ 15 (fo ± 30MHz) ≥ 30 (at 2471.85MHz) ≥ 30 (at 3832.00MHz)	5.1 x 5.8 x 2.8	C C
DFC2491K10A	2491.00	± 5	≤ 3.0	≤ 0.5	≤ 2.0	≥ 30 (at 1620MHz)	5.2 x 5.8 x 2.8	C
DFC2492G40A	2492.00	± 20.0	≤ 1.5	≤ 1.0	≤ 2.0	≥ 16 (fo + 100MHz) ≥ 12 (fo - 100MHz) ≥ 40 (at 1620MHz)	6.8 x 11.8 x 3.8	C
DFC2492P20A	2491.50	± 10.0	≤ 3.0	≤ 1.0	≤ 2.0	≥ 20 (fo + 100MHz) ≥ 30 (fo - 100MHz)	6.8 x 11.8 x 3.8	C
DFC2492R40A	2492.00	± 20.0	≤ 2.5	≤ 1.0	≤ 2.0	≥ 30 (fo ± 100MHz)	6.7 x 7.3 x 3.65	C

Ordering Code

Part Number Code	Product Code	Center Frequency	Structure Mode	Band Width	Resonance Mode (A : λ/4, B = λ/2)	Identification code
Example	DFC	1575	V	20	A	A