

Dielectric Filter for Digital Wireless Product and PHS

Features

- ★ Wide frequency range
- ★ Very low insertion loss

Applications

- ★ Digital mobile phone
- ★ Bluetooth
- ★ Wireless Lan
- ★ PHS



Specifications (Characteristics) Digital Wireless Product

Part Number	Center Frequency (MHz)	Band Width (MHz)	Insertion Loss	Ripple	VSWR (in BW)	Attenuation (dB)	Dimension (mm)	Pole Type
DFC1670U25A	1670.50	± 12.5	≤ 3.5	≤ 1.0	≤ 2.0	≥ 13 (fo + 100MHz) ≥ 28 (fo - 100MHz)	4.5 x 4.4 x 1.9	C
DFC1890B20AZ	1890.00	± 10.0	≤ 1.0	≤ 1.0	≤ 2.0	≥ 35 (fo + 230MHz) ≥ 35 (fo - 210MHz)	3.8 x 8.10 x 3.2	Z
DFC1890V20A	1890.00	± 10.0	≤ 1.5	≤ 0.5	≤ 2.0	≥ 35 (at 2300MHz)	4.1 x 3.6 x 2.0	S
DFC2442B83A1	2441.50	± 41.5	≤ 1.3	≤ 0.8	≤ 2.0	≥ 35 (fo - 291.5MHz)	3.2 x 5.0 x 1.9	Z
DFC2442V84A	2442.00	± 42.0	≤ 2.0	≤ 0.8	≤ 2.0	≥ 25 (at 2150MHz)	3.4 x 3.6 x 1.7	Z
DFC2450B100A	2450.00	± 50.0	≤ 1.5	≤ 1.0	≤ 2.0	≥ 12 (fo + 250MHz) ≥ 15 (fo - 250MHz)	5.3 x 7.85 x 3.1	S
DFC2450U100A	2450.00	± 50.0	≤ 2.5	≤ 0.7	≤ 2.0	≥ 12 (fo + 250MHz) ≥ 15 (fo - 250MHz)	4.4 x 4.4 x 1.9	C
DFC3340U60A	3348.00	± 30.0	≤ 3.5	≤ 1.0	≤ 2.0	≥ 10 (fo + 200MHz) ≥ 15 (fo - 200MHz)	4.5 x 4.4 x 1.9	C
DFC5800U114A	5800.00	± 57.0	≤ 3.8	≤ 1.0	≤ 2.0	≥ 30 (at 5425MHz) ≥ 18 (at 6175MHz)	3.9 x 4.4 x 1.9	C
DFC5867U40A	5867.50	± 20.0	≤ 4.0	≤ 1.0	≤ 2.0	≥ 40 (at 3926.5MHz)	3.9 x 4.4 x 1.9	C

Specifications (Characteristics) for PHS

Part Number	Center Frequency (MHz)	Band Width (MHz)	Insertion Loss (dB)	Ripple (dB)	VSWR (in BW)	Attenuation (dB)	Dimension (mm)
DFC1906V27A	1906.50	± 13.5	≤ 1.6	≤ 0.5	≤ 1.9	≥ 35 (1654 ~ 1681MHz) ≥ 35 (1414 ~ 1441MHz)	4.0 x 3.7 x 1.9
DPC1906V27A1	1906.50	± 13.5	≤ 1.5	≤ 0.5	≤ 1.9	≥ 20 (1654 ~ 1681MHz) ≥ 30 (1414 ~ 1441MHz)	4.0 x 3.7 x 1.9

Part Number and Ordering Code

Part Number Code	Product Code	Center Frequency	Structure Mode	Band Width	Resonance Mode (A : λ/4, B = λ/2)	Identification code
Ordering Code	Same As Above					
Example	DFC	1890	B	20	A	Z