

Dielectric Filter for Wireless Microphone

Features

- ★ Wide frequency range
- ★ Very low insertion loss

Applications

- ★ Wireless microphone
- ★ Consumer electronics



Specifications (Characteristics)

Part Number	Center Frequency (MHz)	Band Width (MHz)	Insertion Loss (dB)	Ripple (dB)	VSWR (in BW)	Attenuation (dB)	Dimension (mm)	Pole Type
DFC555B30A	555.00	± 15.0	≤ 2.5	≤ 1.0	≤ 1.7	≥ 15 (fo + 71MHz) ≥ 25 (fo - 71MHz) ≥ 40 (fo - 220MHz)	9.0 x 6.0 x 3.0	C
DFC585B30AH	585.00	± 15.0	≤ 2.5	≤ 1.0	≤ 1.7	≥ 15 (fo + 71MHz) ≥ 25 (fo - 71MHz) ≥ 40 (fo - 220MHz)	8.5 x 6.0 x 3.0	C
DFC625B30A	625.00	± 15.0	≤ 2.5	≤ 1.0	≤ 1.7	≥ 15 (fo + 71MHz) ≥ 25 (fo - 71MHz) ≥ 40 (fo - 220MHz)	8.0 x 6.0 x 3.0	C
DFC665B30A	665.00	± 15.0	≤ 2.5	≤ 1.0	≤ 1.7	≥ 15 (fo + 71MHz) ≥ 25 (fo - 71MHz) ≥ 40 (fo - 220MHz)	7.5 x 6.0 x 3.0	C
DFC690B16A	690.00	± 8.0	≤ 2.5	≤ 1.0	≤ 2.0	≥ 12 (fo + 60MHz) ≥ 22 (fo - 60MHz)	7.2 x 5.8 x 2.8	C
DFC695B30A	695.00	± 15.0	≤ 2.5	≤ 1.0	≤ 1.7	≥ 15 (fo + 71MHz) ≥ 25 (fo - 71MHz) ≥ 40 (fo - 220MHz)	7.2 x 6.0 x 3.0	C
DFC735B30A	735.00	± 15.0	≤ 2.5	≤ 1.0	≤ 2.0	≥ 13 (fo + 71MHz) ≥ 25 (fo - 71MHz) ≥ 36 (fo - 220MHz)	9.1 x 6.0 x 3.0	C
DFC736E30A	736.00	± 1.5	≤ 3.8	≤ 1.0	≤ 1.8	≥ 18 (fo + 20MHz) ≥ 22 (fo - 20MHz) ≥ 45 (fo - 35MHz) ≥ 40 (fo + 100MHz) ≥ 30 (fo - 500MHz)	10.9 x 6.0 x 3.0	C
DFC740B30AH	740.00	± 15.0	≤ 2.5	≤ 1.0	≤ 2.0	≥ 13 (fo + 71MHz) ≥ 25 (fo - 71MHz) ≥ 36 (fo - 220MHz)	9.1 x 6.0 x 3.0	C
DFC742U16A	742.00	± 8.0	≤ 2.5	≤ 1.0	≤ 2.0	≥ 25 (fo + 60MHz) ≥ 15 (fo - 60MHz)	8.2 x 5.8 x 2.8	C
DFC747E30A	747.10	± 1.5	≤ 3.8	≤ 1.0	≤ 1.8	≥ 18 (fo + 20MHz) ≥ 22 (fo - 20MHz) ≥ 45 (fo - 35MHz) ≥ 40 (fo + 100MHz) ≥ 30 (fo + 500MHz)	10.7 x 6.0 x 3.0	C
DFC748B04A	748.00	± 2.0	≤ 3.0	≤ 0.5	≤ 2.0	≥ 30 (fo ± 100MHz)	8.8 x 5.8 x 2.8	C
DFC750E03A	750.20	± 1.5	≤ 3.8	≤ 1.0	≤ 1.8	≥ 18 (fo + 71MHz) ≥ 22 (fo - 71MHz) ≥ 45 (fo - 220MHz) ≥ 40 (fo + 100MHz) ≥ 30 (fo + 500MHz)	10.7 x 6.0 x 3.0	C

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DFC775B30A	775.00	± 15.0	≤ 2.5	≤ 1.0	≤ 2.0	≥ 13 (fo + 71MHz) ≥ 25 (fo - 71MHz) ≥ 40 (fo - 220MHz)	9.0 x 6.0 x 3.0	C
DFC776B24A	776.00	± 12.0	≤ 2.5	≤ 1.0	≤ 2.0	≥ 22 (fo + 100MHz)	8.5 x 5.8 x 2.8	C
DFC796B24A	796.00	± 12.0	≤ 2.5	≤ 1.0	≤ 2.0	≥ 15 (fo + 71MHz) ≥ 25 (fo - 71MHz) ≥ 40 (fo - 220MHz)	8.0 x 6.0 x 3.0	C
DFC804E30A	804.00	± 1.5	≤ 3.8	≤ 1.0	≤ 1.8	≥ 18 (fo + 20MHz) ≥ 22 (fo - 20MHz) ≥ 45 (fo - 35MHz) ≥ 45 (fo + 100MHz) ≥ 30 (fo + 500MHz)	9.9 x 6.0 x 3.0	C
DFC805B30A	805.00	± 15.0	≤ 2.5	≤ 1.0	≤ 2.0	≥ 13 (fo + 71MHz) ≥ 25 (fo - 71 MHz) ≥ 36 (fo - 220MHz)	8.4 x 6.0 x 3.0	C
DFC808B14A2	808.00	± 7.0	≤ 2.0	≤ 1.0	≤ 2.0	≥ 16 (fo + 77.0MHz) ≥ 20 (fo - 77.0MHz)	8.25 x 5.8 x 2.8	C
DFC808B20A	808.00	± 10.0	≤ 2.5	≤ 0.8	≤ 2.0	≥ 20 (fo + 100MHz) ≥ 40 (fo - 100MHz)	8.10 x 5.8 x 2.8	C
DFC808P01A2	808.00	± 0.5	≤ 5.0	≤ 1.0	≤ 2.0	≥ 25 (fo + 20MHz) ≥ 20 (fo - 20MHz)	9.70 x 7.3 x 3.65	C
DFC814E03A	813.70	± 1.5	≤ 3.8	≤ 1.0	≤ 1.8	≥ 18 (fo + 20MHz) ≥ 22 (fo - 20MHz) ≥ 45 (fo - 35MHz) ≥ 40 (fo + 100MHz) ≥ 30 (fo + 500MHz)	9.8 x 6.0 x 3.0	C
DFC850B30AH	850.00	± 15.0	≤ 2.5	≤ 1.0	≤ 2.0	≥ 13 (fo + 71MHz) ≥ 25 (fo - 71 MHz) ≥ 30 (fo - 220MHz)	7.8 x 6.0 x 3.0	C
DFC856E03A	856.26	± 1.5	≤ 3.8	≤ 1.0	≤ 1.8	≥ 18 (fo + 20MHz) ≥ 22 (fo - 20MHz) ≥ 45 (fo - 35MHz) ≥ 40 (fo + 100MHz) ≥ 30 (fo + 500MHz)	9.3 x 6.0 x 3.0	C
DFC860E03A	859.60	± 1.5	≤ 3.8	≤ 1.0	≤ 1.8	≥ 18 (fo + 20MHz) ≥ 22 (fo - 20MHz) ≥ 45 (fo - 35MHz) ≥ 40 (fo + 100MHz) ≥ 30 (fo + 500MHz)	9.3 x 6.0 x 3.0	C
DFC864B02A	864.00	± 1.0	≤ 4.0	≤ 1.0	≤ 2.0	≥ 12 (fo ± 24MHz)	7.3 x 5.8 x 2.8	C
DFC864E03A	864.00	± 1.5	≤ 3.8	≤ 1.0	≤ 1.8	≥ 18 (fo + 20MHz) ≥ 22 (fo - 20MHz) ≥ 45 (fo - 35MHz) ≥ 40 (fo + 100MHz) ≥ 30 (fo + 500MHz)	9.2 x 6.0 x 3.0	C

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	808	B	14	A	2