

MICROWAVE DIELECTRIC FILTER



FEATURES

- Compact Package
- Low Insertion Loss
- Pin-Type and Surface Mounted Device Type
- Wide variety of Frequency selectivity
- Stable against environmental changes

PART NUMBERING SYSTEM

	DF	M	3R	0915	M	B	A	DF	D	0836	B	0881	A	DF	X	1765	F	1855	A
	①	②	③	④	⑤	⑥	⑦	①	②	③	④	⑤	⑥	①	②	③	④	⑤	⑥
①	abbreviation of Dielectric Filter																		
②	M	Filter					D	Duplexer					X	Monoblock Duplexer					
③	No. of pole	2R : 2pole 3R : 3pole 4R : 3pole					Tx	0836 : 836.5MHz 1765 : 1765MHz					Tx	0836 : 836.5MHz 1765 : 1765MHz 1880 : 1880MHz					
④	Frequency	0915 : 915.0MHz 1837 : 1837MHz					No. of pole	B : 2pole / C : 3pole D : 4pole / G : 7pole					No. of pole	F : 6pole / G : 7pole H : 8pole / J : 10pole					
⑤	Type	C : : PCB M : Monoblock					Rx	0881 : 881.5MHz 1855 : 1855MHz					Rx	0881 : 881.5MHz 1855 : 1855MHz 1960 : 1960MHz					
⑥	Out - Diameter	A : 6 × 6 B : 4 × 4 C : 3 × 3					Serial Code	A ~ Z					Serial Code	A ~ Z					
⑦	Serial Code	A ~ Z modification of Design, classification of model and user																	

APPLICATION ELECTRICAL CHARACTERISTICS

Application	Part No.	Freq.(MHz)	Band Width(MHz)	Insertion Loss (dB) Max.	Attenuation (dB)Min.(Max.)	Dimension(mm)
AMPS/CDMA	DFX0836H0881A	Tx:836.5 Rx:881.5	Fo±12.5 Fo±12.5	2.6 3.3	41(869~894MHz) 55(824~849MHz)	21.4×9.8×3.9
	DFX0836H0881G	Tx:836.5 Rx:881.5	Fo±12.5 Fo±12.5	2.8 3.4	41(869~894MHz) 55(824~849MHz)	21.4×9.3×3.7
	DFX0836J0881A	Tx:836.5 Rx:881.5	Fo±12.5 Fo±12.5	2.8 3.5	45(869~894MHz) 56(824~849MHz)	27.2×9.8×4.1
	DFY0836H0881F	Tx:836.5 Rx:881.5	Fo±12.5 Fo±12.5	3.2 4.0	40(869~894MHz) 55(824~849MHz)	15.8×9.8×3.3
	DFX0836J0881N	Tx:836.5 Rx:881.5	Fo±12.5 Fo±12.5	2.5 3.3	45(869~894MHz) 52(824~849MHz)	30.2×9.3×5.2
	DFM4R0836CCA	836.5	Fo±12.5	3.0	18(Fo±32.5MHz)	14×26×7
	DFM4R0881CCA	881.5				
US-PCS	DFM4R1880CCA	1880	Fo±30	2.2	15(Fo±80.0MHz)	10×8×4
	DFM4R1960CCA	1960				
	DFX1880J1960F	Tx:1880 Rx:1960	Fo±30 Fo±30	3.6 4.2	40(1930~1990MHz) 55(1850~1910MHz)	27.2×6.9×4.1
	DFX1880J1960Q	Tx:1880 Rx:1960	Fo±30 Fo±30	3.5 4.3	40(1930~1990MHz) 48(1850~1910MHz)	27.2×7.2×4.1
	DFN1880K1960A	Tx:1880 Rx:1960	Fo±30 Fo±30	3.5 4.2	36(1930~1990MHz) 53(1850~1910MHz)	32.6×7.3×4.4
K-PCS	DFX1765G1855A	Tx:1765 Rx:1855	Fo±15 Fo±15	1.8 2.6	40(1840~1870MHz) 57(1750~1780MHz)	19.1×7.9×3.3
	DFY1765G1855A	Tx:1765 Rx:1855	Fo±15 Fo±15	1.9 2.6	38(1840~1870MHz) 54(1750~1780MHz)	13.9×7.6×2.6
	DFX1765H1855A	Tx:1765 Rx:1855	Fo±15 Fo±15	2.5 3.2	40(1840~1870MHz) 56(1750~1780MHz)	21.4×7.4×3.8
	DFM4R1750CCA	1750	Fo±32.5	2.5	18(Fo±80MHz)	13×12×4
	DFM4R1840CCA	1837.5			20(Fo±100MHz)	
TDMA	DFX1880H1960A	Tx:1880 Rx:1960	Fo±30 Fo±30	2.45 2.55	20(1930~1990MHz) 15(1850~1910MHz)	19.5×7.2×2.4
	DFX1880H1960B	Tx:1880 Rx:1960	Fo±30 Fo±30	2.45 3.0	20(1930~1990MHz) 25(1850~1910MHz)	19.5×7.2×2.4
GPS	DFM2R1591SB	1591.0	Fo±20	2.0	20(Fo±60MHz)	12.5×10×6.8
	DFM2R1575MCA	1575.42	Fo±10	2.2	50(Fo±50MHz)	6.3×6×3
TRS	DFD0815G0860A	Tx:815 Rx:860	Ft±10 Ft±10	2.0 3.7	40(850~870MHz) 57(805~825MHz)	23×14×3.9
DECT	DFM2R1890MCA	1890	Fo±10	1.8	50(1670~1690MHz)	10×6.8×4
GSM	DFM2R0902MCC	902.5	Fo±12.5	1.8	7(Fo±32.5)	9.2×6×3
	DFM2R0947MCC	947.5		1.8	7(Fo±32.5)	9.2×6×3
	DFM3R0902MCC	902.5		3.0	12(Fo±32.5)	9.2×6×2
	DFM3R0947MCC	947.5		3.0	12(Fo±32.5)	9.2×6×2
	DFD0902F0947A	Tx:902.5 Rx:947.5	Ft±17.5 Fr±17.5	1.8 3.2	30(935~960MHz) 27(890~915MHz)	20×14×3.9
E-GSM	DFD0897F0942A	Tx:897.5 Rx:942.5	Ft±12.5 Fr±37.5	2.4 3.4	35(Fr±12.5) 43(Ft±12.5)	23×14×4
DCS1800	DFM3R1747CCA	1747.5	Fo±37.5	2.0	8(Fo±80)	10×8×4
	DFM3R1842CCA	1842.5				
	DFD1747F1842A	Tx:1747.5 Rx:1842.5	Ft±37.5 Fr±37.5	2.0 3.0	15(Fr±37.5) 20(Ft±37.5)	23×14×3.9
IMT-2000	DFX1950H2140A	Tx:1950 Rx:2140	Fo±30 Fo±30	1.7 1.5	50(2110~2170MHz) 50(1930~1890MHz)	19.5×6.7×3.6
	DFX1950J2140A	Tx:1950 Rx:2140	Fo±30 Fo±30	1.8 2.0	60(2110~2170MHz) 60(1930~1890MHz)	27.2×6.6×4.1
WLL	DFX2315J2385A	Tx:2315 Rx:2385	Fo±15 Fo±15	2.8 3.0	45(2360~2400MHz) 55(2300~2330MHz)	27.2×6.9×4.1
	DFX3475J3575A	Tx:3475 Rx:3575	Fo±25 Fo±25	3.0 3.5	45(3550~3600MHz) 55(3450~3550MHz)	27.2×5.3×4.1
	DFM4R2315CCA DFM4R2385CCA	2315 2385	Fo±15	3.0	40(Fo-150MHz) 30(Fo+150MHz)	13×11.8×3.8