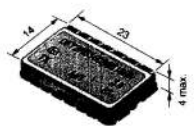
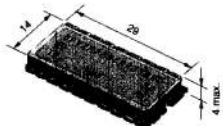


MICROWAVE FILTERS GIGAFIL

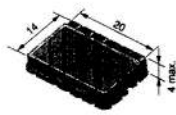
■ Duplexer DP-Series 800/900MHz



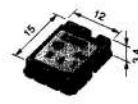
①



②



③



④

(in mm)

System	Part Number	Center Frequency (MHz)		Bandwidth (MHz)	Insertion Loss in Bandwidth (dB) max.	Attenuation (dB) min. (MHz)	Dimensions
		Tx	Rx				
E-AMPS	DFY2R836CR881BHA	Tx	836.5 (F _T)	F _T ±12.5	2.8	43 (F _R ±12.5)	①
		Rx	881.5 (F _R)	F _R ±12.5	3.7	50 (F _T ±12.5)	
	DFY2R836CR881BHD	Tx	836.5 (F _T)	F _T ±12.5	2.4	36 (F _R ±12.5)	①
		Rx	881.5 (F _R)	F _R ±12.5	4.0	45 (F _T ±12.5)	
N-TACS	DFY2R856CR911BHG	Tx	911.5 (F _T)	F _T ±13.5	2.1	49 (F _R ±13.5)	①
		Rx	856.5 (F _R)	F _R ±13.5	3.8	52 (F _T ±13.5)	
NMT900	DFY2R902CR947BHA	Tx	902.5 (F _T)	F _T ±12.5	2.4	36 (F _R ±12.5)	①
		Rx	947.5 (F _R)	F _R ±12.5	3.7	45 (F _T ±12.5)	
LMR	DFY2R815CR860BHA	Tx	815.0 (F _T)	F _T ±10.0	2.0	40 (F _R ±10.0)	①
		Rx	860.0 (F _R)	F _R ±10.0	4.0	57 (F _T ±10.0)	
E-TACS	DFY2R888CR933BHD	Tx	888.5 (F _T)	F _T ±16.5	3.4	36 (F _R ±16.5)	②
		Rx	933.5 (F _R)	F _R ±16.5	5.1	49 (F _T ±16.5)	
	DFY2R888CR933BHE	Tx	888.5 (F _T)	F _T ±16.5	3.5	36 (F _R ±16.5)	②
		Rx	933.5 (F _R)	F _R ±16.5	4.6	44 (F _T ±16.5)	
GSM	DFY2R902CR947BHG	Tx	902.5 (F _T)	F _T ±12.5	1.8	30 (F _R ±12.5)	③
		Rx	947.5 (F _R)	F _R ±12.5	3.2	27 (F _T ±12.5)	
E-GSM	DFY2R897CR942BHD	Tx	897.5 (F _T)	F _T ±17.5	2.5	18 (F _R ±17.5)	③
		Rx	942.5 (F _R)	F _R ±17.5	4.0	20 (F _T ±17.5)	
PDC800	DFY2R820CR950BHA	Tx	950.0 (F _T)	F _T ±10.0	0.5	20 (F _R ±10.0)	④
		Rx	820.0 (F _R)	F _R ±10.0	1.8	30 (F _T ±10.0)	

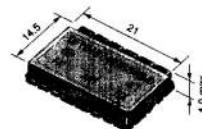
■ Duplexer DP-Series 1500-2000MHz



①



②

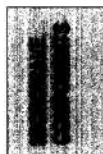


③

(in mm)

System	Part Number	Center Frequency (MHz)		Bandwidth (MHz)	Insertion Loss in Bandwidth (dB) max.	Attenuation (dB) min. (MHz)	Dimensions
		Tx	Rx				
PDC1.5	DFY21R44C1R48BHB	Tx	1441.0 (F _T)	F _T ±12.0	1.6	8 (F _R ±12.0)	①
		Rx	1489.0 (F _R)	F _R ±12.0	2.8	11 (F _T ±12.0)	
	DFY21R44C1R48BHE	Tx	1441.0 (F _T)	F _T ±12.0	1.6	8 (F _R ±12.0)	②
		Rx	1489.0 (F _R)	F _R ±12.0	3.1	20 (F _T ±12.0)	
DCS1800	DFY21R74C1R84BHD	Tx	1747.5 (F _T)	F _T ±37.5	2.3	15 (F _R ±37.5)	③
		Rx	1842.5 (F _R)	F _R ±37.5	3.7	20 (F _T ±37.5)	
PCS	DFY21R88C1R96BHD	Tx	1880.0 (F _T)	F _T ±30.0	2.7	15 (F _R ±30.0)	③
		Rx	1960.0 (F _R)	F _R ±30.0	3.7	20 (F _T ±30.0)	

EMI SUPPRESSION FILTERS (EMFIL®)



FILTERS

VIDEO EQUIPMENT

FUNCTIONAL MODULES HYBRID ICs

POWER SUPPLIES

SENSORS

CAPACITORS

THERMISTORS /RESISTORS

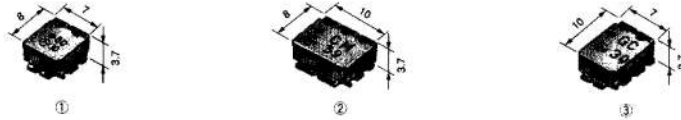
COILS/DELAY LINES /FERRITE CORES

RESONATORS

PIEZO PRODUCTS

MICROWAVE FILTERS GIGAFIL

Band-Pass Filter DP-Series 1500-2000MHz



(in mm)

System	Part Number	Center Frequency Fo (MHz)	Bandwidth (MHz)	Insertion Loss in Bandwidth (dB) max.	Attenuation (dB) min. (MHz)	Dimensions
DECT	DFC21R89P020BHD	1890.0	$F_o \pm 10.0$	1.8	45 (1670-1690)	①
PHS	DFC21R90P025BHD	1907.5	$F_o \pm 12.5$	0.7	24 (1655-1680)	①
DCS1800	DFC31R74P075BHD	1747.5	$F_o \pm 37.5$	2.0	8 ($F_o \pm 80$)	②
	DFC31R84P075BHD	1842.5	$F_o \pm 37.5$	2.0	8 ($F_o \pm 80$)	
PCS	DFC31R88P060BHD	1880.0	$F_o \pm 30.0$	2.2	15 ($F_o \pm 100$)	②
	DFC31R96P060BHD	1960.0	$F_o \pm 30.0$	2.2	15 ($F_o \pm 100$)	
GPS	DFC21R57P002BHD	1574.42	$F_o \pm 1.0$	3.0	22 ($F_o - 50$)	③
ISM2.4	DFC22R44P084BHD	2442.0	$F_o \pm 42.0$	1.2	15 ($F_o \pm 250$)	③

Band-Pass Filter MB-Series (SMD Type) 800/900MHz



(in mm)

System	Part Number	Center Frequency Fo (MHz)	Bandwidth (MHz)	Insertion Loss in Bandwidth (dB) max.	Attenuation (dB) min. (MHz)	Dimensions
E-AMPS	DFC2R836P025HHD	836.5	$F_o \pm 12.5$	2.6	6.5 ($F_o + 32.5$)	①
	DFC2R881P025HHD	881.5	$F_o \pm 12.5$	2.6	9 ($F_o - 32.5$)	
GSM/NMT900	DFC2R902P025HHD	902.5	$F_o \pm 12.5$	2.6	6.5 ($F_o + 32.5$)	①
	DFC2R947P025HHD	947.5	$F_o \pm 12.5$	2.6	8 ($F_o - 32.5$)	
E-AMPS	DFC3R836P025HHD	836.5	$F_o \pm 12.5$	3.0	12 ($F_o + 32.5$)	②
	DFC3R881P025HHD	881.5	$F_o \pm 12.5$	3.0	15 ($F_o - 32.5$)	
GSM/NMT900	DFC3R902P025HHD	902.5	$F_o \pm 12.5$	3.0	12 ($F_o + 32.5$)	②
	DFC3R947P025HHD	947.5	$F_o \pm 12.5$	3.0	15 ($F_o - 32.5$)	
CTI	DFC2R914P001HHA	914.5	$F_o \pm 0.5$	3.0	24 ($F_o \pm 44.0$)	③
	DFC2R959P001HHA	959.5	$F_o \pm 0.5$	3.0	24 ($F_o \pm 44.0$)	
CTI+	DFC2R886P002HHA	886.0	$F_o \pm 1.0$	3.0	24 ($F_o \pm 44.0$)	③
	DFC2R931P002HHA	931.0	$F_o \pm 1.0$	3.0	24 ($F_o \pm 44.0$)	
CTI	DFC3R914P001HHA	914.5	$F_o \pm 0.5$	5.3	45 ($F_o - 44.0$) 55 ($F_o + 44.0$)	④
	DFC3R959P001HHA	959.5	$F_o \pm 0.5$	5.3	45 ($F_o - 44.0$) 55 ($F_o + 44.0$)	
CTI+	DFC3R886P002HHA	886.0	$F_o \pm 1.0$	5.3	45 ($F_o - 44.0$) 55 ($F_o + 44.0$)	④
	DFC3R931P002HHA	931.0	$F_o \pm 1.0$	5.3	45 ($F_o - 44.0$) 55 ($F_o + 44.0$)	

Band-Pass Filter MB-Series (SMD Type) 1500-2000MHz **NEW**



(in mm)

System	Part Number	Center Frequency Fo (MHz)	Bandwidth (MHz)	Insertion Loss in Bandwidth (dB) max.	Attenuation (dB) min. (MHz)	Dimensions
PDC1.5	DFC21R48P024HHA	1489.0	$F_o \pm 12.0$	1.3	10 (1607-1631)	①
GPS	DFC21R57P002HHA	1575.42	$F_o \pm 1.0$	3.15	18 ($F_o \pm 50$)	②
PHS	DFC21R90P025HHC	1907.5	$F_o \pm 12.5$	1.0 (-15 - +55°C)	20 (1655-1680)	③
	DFC21R90P025HHD	1907.5	$F_o \pm 12.5$	1.6 (-15 - +55°C)	35 (1655-1680)	
	DFC21R90P025HHE	1907.5	$F_o \pm 12.5$	1.9 (-15 - +55°C)	45 (1655-1680)	
DECT	DFC21R89P020HHE	1890.0	$F_o \pm 10.0$	2.0	45 (1660-1680)	④

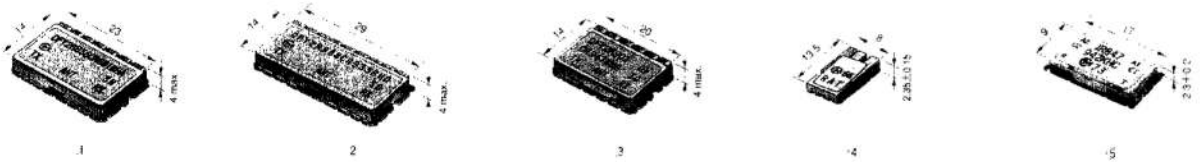


MICROWAVE FILTER



Microwave Filter (GIGAFIL[®])

■ Duplexer DP-Series 800/900MHz



(in mm)

System	Part Number	Center Frequency (MHz)	Bandwidth (MHz)	Insertion Loss in Bandwidth (dB) max.	Attenuation (dB) min. (MHz)	Dimensions	
E-AMPS	DFY2R836CR881BHA	Tx	836.5 (F _T)	F _T ±12.5	2.8	43 (F _R ±12.5)	1
		Rx	881.5 (F _R)	F _R ±12.5	3.7	50 (F _T ±12.5)	
	DFY2R836CR881BHD	Tx	836.5 (F _T)	F _T ±12.5	2.4	36 (F _R ±12.5)	2
		Rx	881.5 (F _R)	F _R ±12.5	4.0	45 (F _T ±12.5)	
LMR	DFY2R815CR860BHA	Tx	815.0 (F _T)	F _T ±10.0	2.0	40 (F _R ±10.0)	1
E-TACS	DFY2R888CR933BHD	Tx	888.5 (F _T)	F _T ±16.5	3.4	36 (F _R ±16.5)	2
		Rx	933.5 (F _R)	F _R ±16.5	5.1	49 (F _T ±16.5)	
GSM	DFY2R902CR947BHGD	Tx	902.5 (F _T)	F _T ±12.5	1.9	10 (925-935) 20 (F _R ±12.5)	3
		Rx	947.5 (F _R)	F _R ±12.5	3.0	25 (F _T ±12.5)	
	DFY2R902CR947BHG	Tx	902.5 (F _T)	F _T ±12.5	1.8	30 (F _R ±12.5)	3
		Rx	947.5 (F _R)	F _R ±12.5	3.2	27 (F _T ±12.5)	
	DFY2R902CR947BHGF	Tx	902.5 (F _T)	F _T ±12.5	1.2	15 (F _R ±12.5)	3
		Rx	947.5 (F _R)	F _R ±12.5	3.2	28 (F _T ±12.5)	
DFY2R902CR947BHGJ	Tx	902.5 (F _T)	F _T ±12.5	1.6	8 (925-935) 15 (F _R ±12.5)	3	
	Rx	947.5 (F _R)	F _R ±12.5	3.2	27 (800-915)		
E-GSM	DFY2R897CR942BHB	Tx	897.5 (F _T)	F _T ±17.5	2.0	8 (925-935) 15 (935-960)	3
PDC800	DFY2R820CR950KHB	Tx	950.0 (F _T)	F _T ±10.0	0.5	20 (F _R ±10.0)	4
		Rx	820.0 (F _R)	F _R ±10.0	1.8	27 (F _T ±10.0)	
PDC800 (Dual-Band)	DFYJR847CR942KHC	Tx	942.5 (F _T)	F _T ±17.5	0.8	30 (2F _T), 30 (3F _T)	5
Rx1	847.5 (F _R)	F _R ±37.5	2.2	32 (550-570)			
Rx2	847.5 (F _R)	F _R ±37.5	2.2	32 (600-625)			

■ Duplexer DP-Series 1500-2000MHz



(in mm)

System	Part Number	Center Frequency (MHz)	Bandwidth (MHz)	Insertion Loss in Bandwidth (dB) max.	Attenuation (dB) min. (MHz)	Dimensions	
PDC1.5	DFYJ1R44C1R48LHA	Tx	1441.0 (F _T)	F _T ±12.0	0.8	28 (2F _T), 30 (3F _T)	1
		Rx1	1489.0 (F _R)	F _R ±12.0	2.5	10 (1607-1631)	
		Rx2	1489.0 (F _R)	F _R ±12.0	2.0	35 (1737-1761)	
DCS1800	DFY21R74C1R84BHE	Tx	1747.5 (F _T)	F _T ±37.5	2.3	20 (F _R ±37.5)	2
		Rx	1842.5 (F _R)	F _R ±37.5	2.7	20 (F _T ±37.5)	
	DFY21R74C1R84BHF	Tx	1747.5 (F _T)	F _T ±37.5	2.0	15 (F _R ±37.5)	2
PCS	DFY21R88C1R96BHG	Tx	1880.0 (F _T)	F _T ±30.0	2.3	20 (F _R ±30.0)	2
		Rx	1960.0 (F _R)	F _R ±30.0	3.2	25 (F _T ±30.0)	
	DFY21R88C1R96BHF	Tx	1880.0 (F _T)	F _T ±30.0	2.0	17 (F _R ±30.0)	2
Rx	1960.0 (F _R)	F _R ±30.0	3.0	20 (F _T ±30.0)			