

Dielectric Filters (GIGAFIL®)

muRata

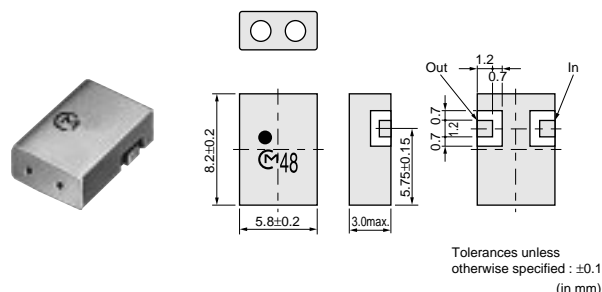
1

Band Pass Filters

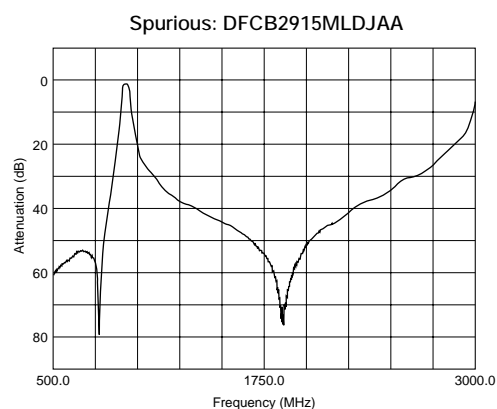
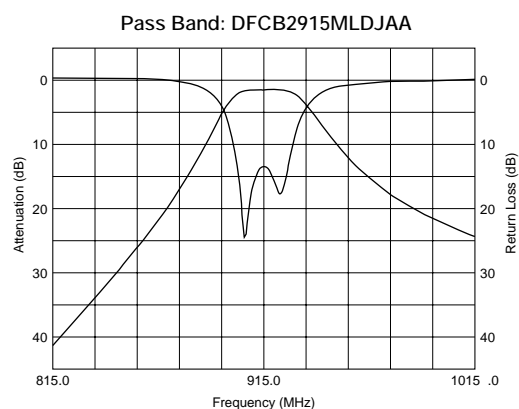
DFCB Series 800/900MHz

■ Features

1. Low insertion loss for using high Q-value dielectric resonators
2. Small and light for using high dielectric constant ceramics
3. Excellent temperature stability for temperature compensated dielectric constant (0±5 ppm/degree C max.)
4. Excellent mechanical stability without vibratile structure
5. SMD and reflow soldering available
6. Mountable by automatic placement machine



■ Characteristics



Application	Part Number	fo (MHz)	Bandwidth (MHz)	IL at BW (dB max.)	Attenuation (dB min.)	Operation Temp. (°C)
AMPS	DFCB2836MLDJAA	836.5	25	2.6	6.5 (869 to 894MHz)	-30 to +85
CT2	DFCB2841MLEJAA	841	4	3.0	38 (Fo-150MHz)	-30 to +85
CT2	DFCB2866MLEJAA	866	4	3.0	38 (Fo-150MHz)	-30 to +85
AMPS	DFCB2881MLDJAA	881.5	25	2.6	9 (824 to 849MHz)	-30 to +85
CT1+	DFCB2886MLEJAA	886	2	3.0	24 (Fo-44MHz)	-30 to +85
GSM	DFCB2902MLDJAA	902.5	25	2.6	27 (Fo-77.5MHz)	-30 to +85
WLAN915	DFCB2903MLEJAA	903	2	3.0	20 (Fo+22MHz)	-30 to +85
CT2	DFCB2912MLDJAA	912	4	2.0	50 (Fo-150MHz)	-30 to +85
CT2	DFCB2912MLEJAA	912	4	3.0	38 (Fo-150MHz)	-30 to +85
CT1	DFCB2914MLEJAA	914.5	1	3.0	24 (Fo-44MHz)	-30 to +85
WLAN915	DFCB2915MLDJAA	915	26	2.5	27 (837.5MHz)	-35 to +85
WLAN915	DFCB2926MLEJAA	926.25	2.7	2.8	21 (902.4 to 905.1MHz)	-30 to +85
WLAN915	DFCB2927MLEJAA	927	2	3.0	15 (Fo-22MHz)	-30 to +85
CT1+	DFCB2931MLEJAA	931	2	3.0	24 (Fo-44MHz)	-30 to +85
GSM	DFCB2947MLDJAA	947.5	25	2.6	27 (Fo-77.5MHz)	-30 to +85
CT1	DFCB2959MLEJAA	959.5	1	3.0	30 (Fo+44MHz)	-30 to +85
LMR	DFCB3815MLDJAA	815.5	19	2.5	12 (Fo±35.5MHz)	-30 to +85
AMPS	DFCB3836MLDJAA	836.5	25	3.0	12 (869 to 894MHz)	-30 to +85
CT2	DFCB3841MLEJAA	841	4	5.3	60 (Fo-150MHz)	-30 to +85
LMR	DFCB3860MLDJAA	860.5	19	2.5	13 (Fo-35.5MHz)	-30 to +85

Continued on the following page.

Continued from the preceding page.

Application	Part Number	fo (MHz)	Bandwidth (MHz)	IL at BW (dB max.)	Attenuation (dB min.)	Operation Temp. (°C)
CT2	DFCB3866MLEJAA	866	4	5.3	60 (Fo-150MHz)	-30 to +85
AMPS	DFCB3881MLDJAA	881.5	25	3.0	15 (824 to 849MHz)	-30 to +85
CT1+	DFCB3886MLEJAA	886	2	5.3	45 (Fo-44MHz)	-30 to +85
GSM	DFCB3902MLDJAA	902.5	25	3.0	45 (Fo-77.5MHz)	-30 to +85
WLAN915	DFCB3903MLEJAA	903	2	5.3	29 (Fo-22MHz)	-30 to +85
CT2	DFCB3912MLEJAA	912	4	5.3	60 (Fo-150MHz)	-30 to +85
CT1	DFCB3914MLEJAA	914.5	1	5.3	45 (Fo-44MHz)	-30 to +85
WLAN915	DFCB3915MLDJAA	915	26	3.0	15 (Fo-32.5MHz)	-30 to +85
WLAN915	DFCB3927MLEJAA	927	2	5.3	29 (Fo-22MHz)	-30 to +85
CT1+	DFCB3931MLEJAA	931	2	5.3	45 (Fo-44MHz)	-30 to +85
GSM	DFCB3947MLDJAA	947.5	25	3.0	45 (Fo-77.5MHz)	-30 to +85
CT1	DFCB3959MLEJAA	959.5	1	5.3	45 (Fo-44MHz)	-30 to +85