● Part Numbering

Antenna/Duplexer Dielectric Filters (GIGAFIL®)
for RF/Local Dielectric Band Pass Filters (GIGAFIL®)

(Part Number) **DF** ❶ **YK6** ❷ **1G95** ❸ **LBNBB-** ❹ **TT1** ❺

❶Product ID

Product ID	
DF	Microwave Filters (GIGAFIL®)

❷Series

Two capital letters and a number express the series name.

❸Nominal Center Frequency

Expressed by four-digit alphanumerics. If the unit is "MHz", it is expressed by three figures plus "**M**". If the unit is "GHz", a decimal point is expressed by capital letter "**G**".

❹Individual Specification Code

Expressed by five letters plus a hyphen.

❺Packaging

Code	Packaging
T**	Tray
R**	Reel

Packaging varies on each product type. Please contact us for details.

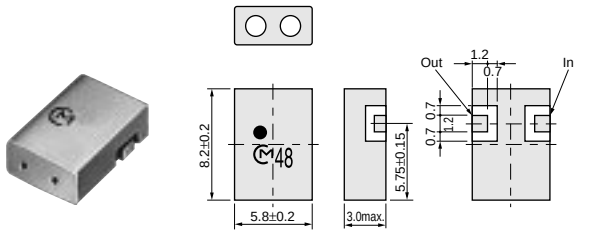
Dielectric Filters (GIGAFIL®)

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±5ppm/degree C max.).
4. Excellent mechanical stability without vibratile structure.
5. SMD and reflow soldering is available.
6. Mountable by automatic placing machine.

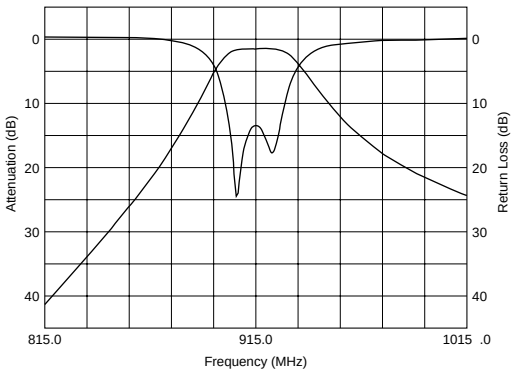


DFCB2915MLDJAA

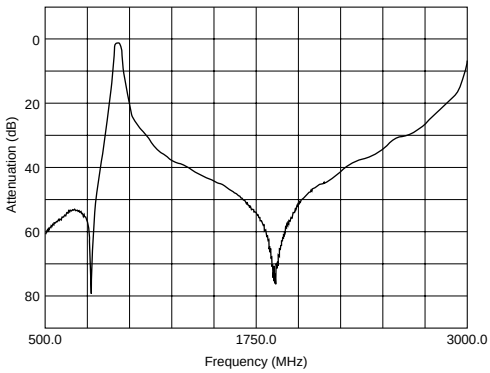
Tolerances unless otherwise specified : ±0.1 (in mm)

■ Characteristics

Pass Band: DFCB2915MLDJAA



Spurious: DFCB2915MLDJAA



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
AMPS	**DFCB2881MLDJAA**	881.5	25	2.6	9 (824 to 849MHz)	-30 to +85
GSM	**DFCB2902MLDJAA**	902.5	25	2.6	27 (Fo-77.5MHz)	-30 to +85
WLAN915	**DFCB2915MLDJAA**	915	26	2.5	27 (837.5MHz)	-35 to +85
GSM	**DFCB2947MLDJAA**	947.5	25	2.6	27 (Fo-77.5MHz)	-30 to +85
LMR	**DFCB3815MLDJAA**	815.5	19	2.5	12 (Fo±35.5MHz)	-30 to +85
AMPS	**DFCB3836MLDJAA**	836.5	25	3	12 (869 to 894MHz)	-30 to +85
LMR	**DFCB3860MLDJAA**	860.5	19	2.5	13 (Fo+35.5MHz)	-30 to +85
AMPS	**DFCB3881MLDJAA**	881.5	25	3	15 (824 to 849MHz)	-30 to +85
GSM	**DFCB3902MLDJAA**	902.5	25	3	45 (Fo-77.5MHz)	-30 to +85
WLAN915	**DFCB3915MLDJAA**	915	26	3	15 (Fo-32.5MHz)	-30 to +85
GSM	**DFCB3947MLDJAA**	947.5	25	3	45 (Fo-77.5MHz)	-30 to +85

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DFCB/DFCL Series 1.5-5GHz

■ Features

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2. Small and light for using high dielectric constant ceramics.
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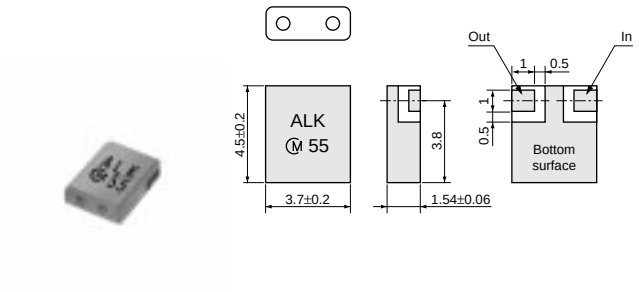
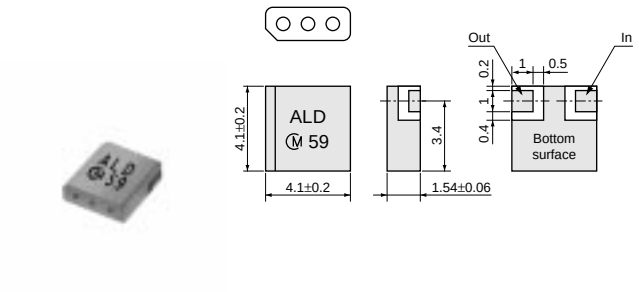
4. Excellent mechanical stability without vibratile structure.
5. SMD and reflow soldering is available.
6. Mountable by automatic placing machine.



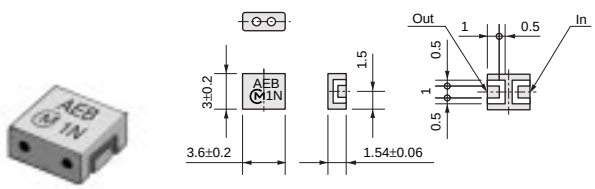
DFCL22G33LANAA

Tolerances unless otherwise specified: ±0.1
(in mm)



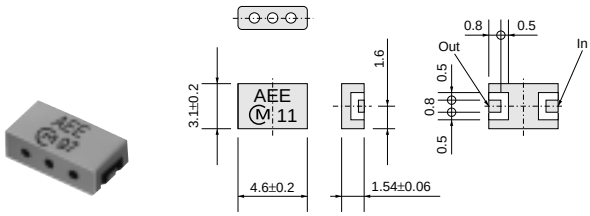
DFCL32G33LANAA

Tolerances unless otherwise specified: ±0.1
(in mm)



DFCB25G25LAHAA

Tolerances unless otherwise specified : ±0.1
(in mm)

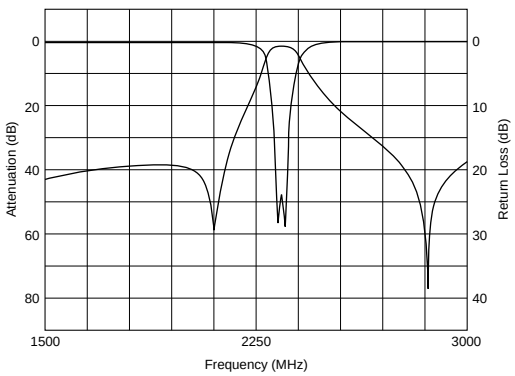


DFCB35G25LAHAA

Tolerances unless otherwise specified : ±0.1
(in mm)

■ Characteristics

Pass Band: DFCL22G33LANAA



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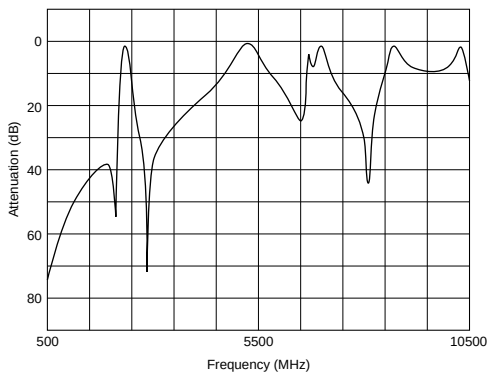

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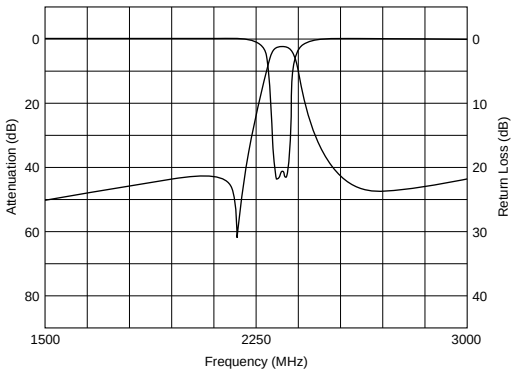
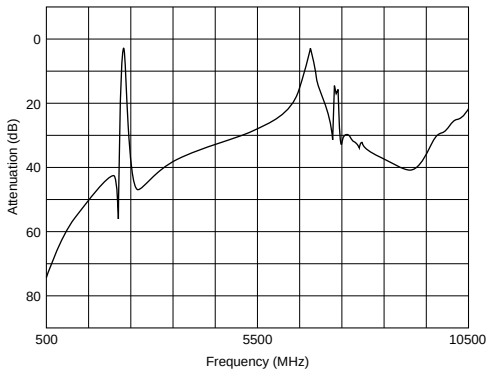
■ Characteristics

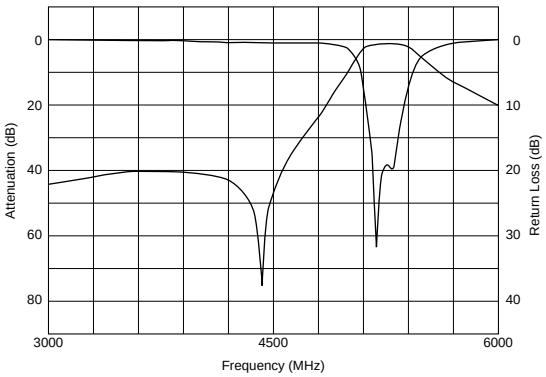
Pass Band: DFCL32G33LANAA



Spurious: DFCL32G33LANAA



Pass Band: DFCB25G25LAHAA



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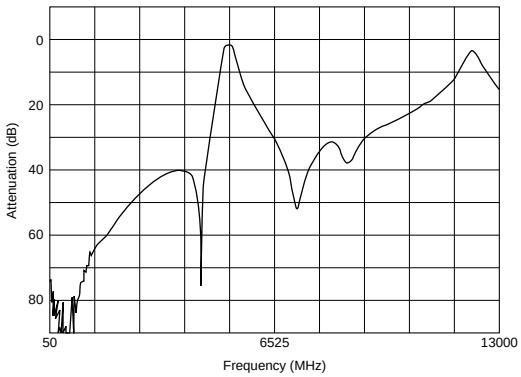
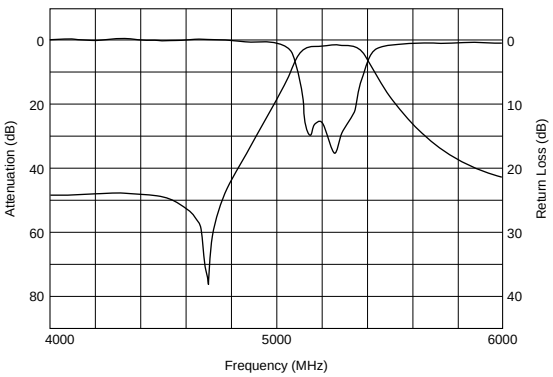


Pass Band: DFCB35G25LAHAA



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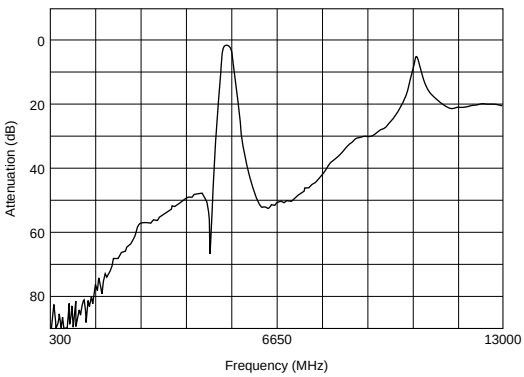

Application	Part Number	fo (MHz)	Bandwidth (MHz)	IL at BW (dB max.)	Attenuation (dB min.)	Operation Temp. (°C)
DAB	**DFCB21G47LBJAA**	1472	40	2	38 (1122MHz)	-30 to +85
GPS	**DFCB21G57LBJAB**	1575.42	3	1.3	37 (1850 to 1910MHz)	-35 to +85
GPS	**DFCB21G57LCJAA**	1575.42	2	3.5	15 (Fo±50MHz)	-30 to +85
GPS	**DFCB21G57LDJAB**	1575.42	2	3.15	18 (Fo±50MHz)	-30 to +85
DCS1800	**DFCB21G84LDJAA**	1842.5	75	2	20 (F0-160MHz)	-35 to +85
DECT	**DFCB21G89LBJAA**	1890	20	2	40 (1660 to 1680MHz)	-30 to +85
DECT	**DFCB21G89LBJAB**	1890	20	1.7	35 (1660 to 1680MHz)	-30 to +85
DECT	**DFCB21G89LDHAA**	1890	20	0.9	27 (1655 to 1679MHz)	-10 to +55
DECT	**DFCB21G89LDJAA**	1890	20	2	45 (1660 to 1680MHz)	-30 to +85
CDMA1.9	**DFCB21G92LDJAA**	1920	20	1.9	16 (1800 to 1820MHz)	-30 to +85
PCS1.9	**DFCB21G96LDJAA**	1960	60	1.5	17 (2360MHz)	-30 to +85
Sirius Radio	**DFCB22G32LBJAA**	2326	14	1.8	8.5 (2227MHz)	-35 to +85

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Application	Part Number	fo (MHz)	Bandwidth (MHz)	IL at BW (dB max.)	Attenuation (dB min.)	Operation Temp. (°C)
XM Satellite	**DFCL22G33LANAA**	2339	14	1.8	18 (0.3 to 2188MHz)	-40 to +125
Wibro	**DFCB22G34LBJAA**	2345	80	2.5	20 (350 to 1200MHz)	-35 to +85
WLAN2.4	**DFCB22G44LBJAA**	2442	84	2	16 (Fo-250MHz)	-30 to +85
WLAN2.4	**DFCB22G45LBJAA**	2450	100	2	15 (Fo-250MHz)	-30 to +85
WLAN5G	**DFCB25G25LAHAA**	5250	200	1.5	38 (4370 to 4510MHz)	-35 to +85
WLAN5G	**DFCB25G59LAHAA**	5597.5	255	1.5	11 (F0-375MHz)	-35 to +85
WLAN5G	**DFCB25G77LAHAA**	5775	100	1.5	12 (F0-375MHz)	-35 to +85
DAB	**DFCB31G47LBJAA**	1472	40	3	45 (1100MHz)	-35 to +85
DCS1800	**DFCB31G74LBJAA**	1747.5	75	3.5	45 (1464 to 1539MHz)	-30 to +85
DCS1800	**DFCB31G84LBJAA**	1842.5	75	3.5	45 (1559 to 1634MHz)	-30 to +85
DCS1800	**DFCB31G84LBJAB**	1842.5	75	2.75	45 (0.3 to 1388MHz)	-30 to +85
PCS1.9	**DFCB31G88LBJAA**	1880	60	3.7	43 (1640 to 1664MHz)	-30 to +85
PCS1.9	**DFCB31G88LBJAB**	1880	60	4	41 (2043 to 2103MHz)	-30 to +85
W-CDMA	**DFCB31G95LBJAA**	1950	60	3.5	35 (2110 to 2170MHz)	-30 to +85
PCS1.9	**DFCB31G96LBJAA**	1960	60	3.7	5 (1910MHz)	-30 to +85
PCS1.9	**DFCB31G96LBJAB**	1960	60	3	10 (1498 to 1860MHz)	-30 to +85
PCS1.9	**DFCB31G96LBJAC**	1960	60	2.8	10 (1860MHz)	-30 to +85
PCS1.9	**DFCB31G96LBJAE**	1960	60	3.7	20 (2065 to 2125MHz)	-35 to +85
W-CDMA	**DFCB32G14LBJAA**	2140	60	3.7	30 (1920 to 1980MHz)	-30 to +85
Sirius Radio	**DFCB32G32LBJAA**	2326	14	3	24 (2227MHz)	-35 to +85
XM Satellite	**DFCL32G33LANAA**	2339	14	3	39 (0.3 to 2188MHz)	-40 to +125
WLAN2.4	**DFCB32G44LBJAA**	2442	84	3.2	30 (Fo-250MHz)	-30 to +85
WLAN2.4	**DFCB32G45LBJAA**	2450	100	3.2	30 (Fo-250MHz)	-30 to +85
WLAN5G	**DFCB35G25LAHAA**	5250	200	3.3	45 (4450 to 4650MHz)	-35 to +85
WLAN5G	**DFCB35G59LAHAA**	5597.5	255	3.6	45 (4750 to 5000MHz)	-35 to +85
WLAN5G	**DFCB35G77LAHAA**	5775	100	3	30 (Fo-375MHz)	-35 to +85