

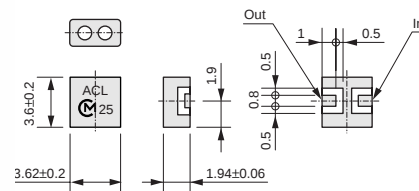
## DFCB Series 1.5-5GHz

### ■ 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



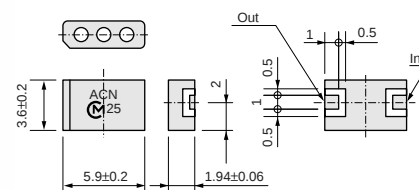
DFCB22G33LBJAA



Tolerances unless otherwise specified : ±0.1 (in mm)



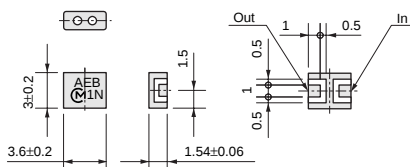
DFCB32G33LBJAA



Tolerances unless otherwise specified : ±0.1 (in mm)



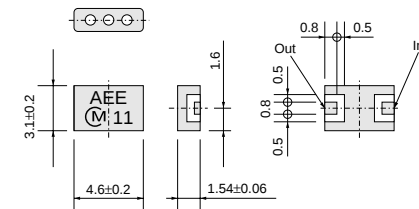
DFCB25G25LAHAA



Tolerances unless otherwise specified : ±0.1 (in mm)



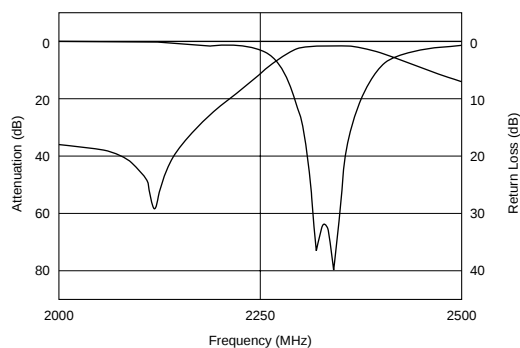
DFCB35G25LAHAA



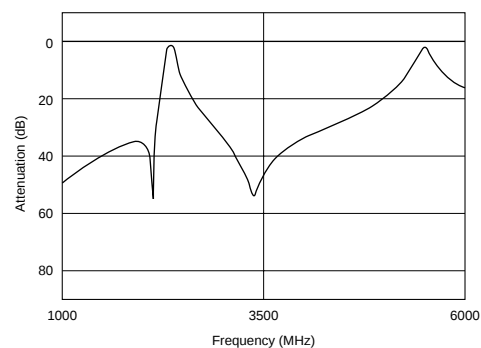
Tolerances unless otherwise specified : ±0.1 (in mm)

### ■ Characteristics

Pass Band: DFCB22G33LBJAA



Spurious: DFCB22G33LBJAA

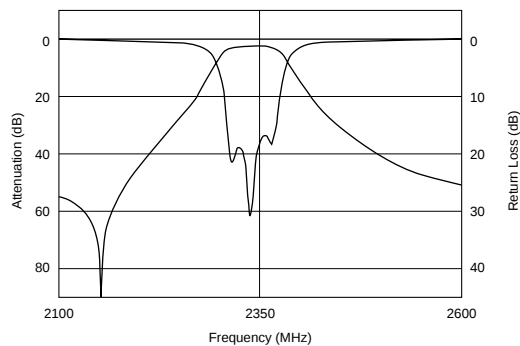


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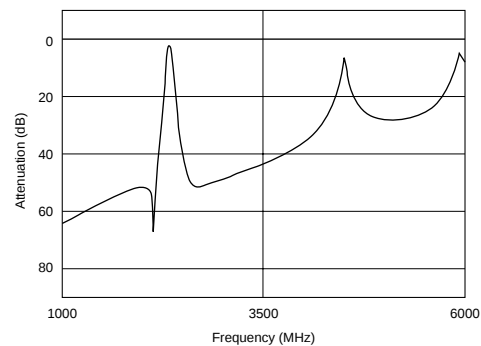
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## Characteristics

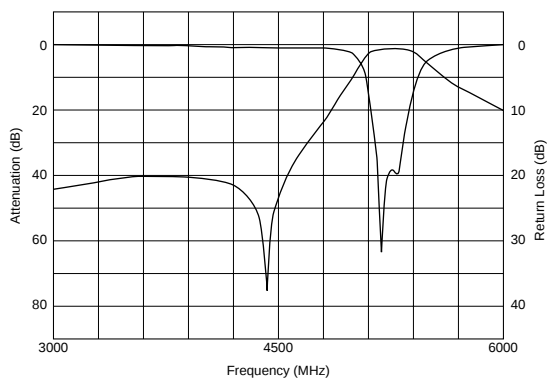
Pass Band: DFCB32G33LBJAA



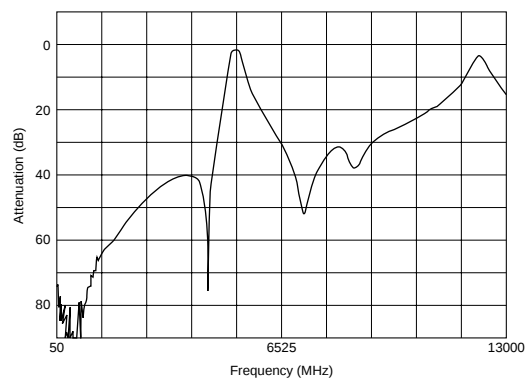
Spurious: DFCB32G33LBJAA



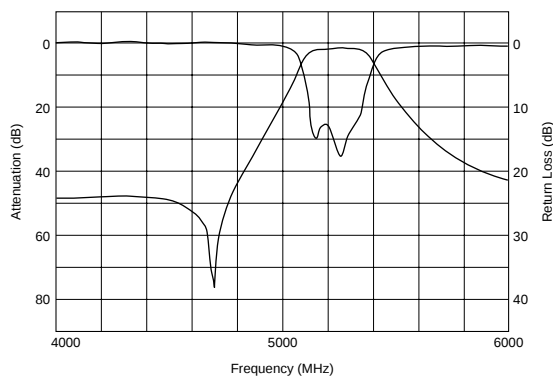
Pass Band: DFCB25G25LAHAA



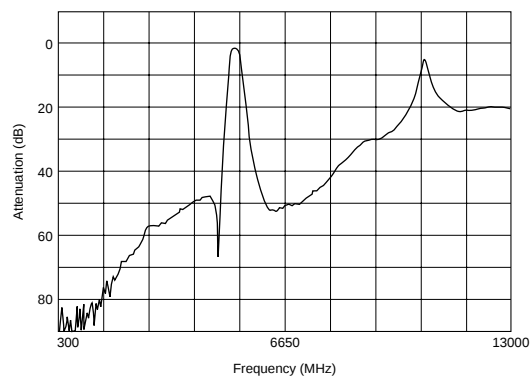
Spurious: DFCB25G25LAHAA



Pass Band: DFCB35G25LAHAA



Spurious: DFCB35G25LAHAA



| Application | Part Number    | fo (MHz) | Bandwidth (MHz) | IL at BW (dB max.) | Attenuation (dB min.) | Operation Temp. (°C) |
|-------------|----------------|----------|-----------------|--------------------|-----------------------|----------------------|
| DAB         | DFCB21G47LBJAA | 1472     | 40              | 2.0                | 38 (1122MHz)          | -30 to +85           |
| PDC1.5      | DFCB21G48LBJAA | 1489     | 24              | 1.4                | 10 (1607 to 1631MHz)  | -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              | 2.0                | 20 (Fo-160MHz)        | -35 to +85           |
| PCS1.9      | DFCB21G88LDJAA | 1880     | 60              | 1.5                | 17 (2280MHz)          | -30 to +85           |
| DECT        | DFCB21G89LBJAA | 1890     | 20              | 2.0                | 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              | 2.0                | 45 (1660 to 1680MHz)  | -30 to +85           |
| PHS         | DFCB21G90LBJAA | 1907.5   | 25              | 1.0                | 20 (1655 to 1680MHz)  | -15 to +55           |

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| Application  | Part Number    | fo<br>(MHz) | Bandwidth<br>(MHz) | IL at BW<br>(dB max.) | Attenuation<br>(dB min.) | Operation<br>Temp.<br>(°C) |
|--------------|----------------|-------------|--------------------|-----------------------|--------------------------|----------------------------|
| PHS          | DFCB21G90LBJAB | 1907.5      | 25                 | 1.6                   | 35 (1655 to 1680MHz)     | -15 to +55                 |
| PHS          | DFCB21G90LBJAC | 1907.5      | 25                 | 1.9                   | 45 (1655 to 1680MHz)     | -15 to +55                 |
| DECT (CHINA) | DFCB21G91LBJAA | 1910        | 20                 | 1.7                   | 34 (1675 to 1700MHz)     | -30 to +85                 |
| DECT (CHINA) | DFCB21G91LDJAA | 1910        | 20                 | 1.8                   | 40 (1675 to 1700MHz)     | -30 to +85                 |
| CDMA1.9      | DFCB21G92LBJAA | 1920        | 20                 | 1.2                   | 20 (1655 to 1694MHz)     | -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                 |
| TD-SCDMA     | DFCB22G01LBJAA | 2017.5      | 15                 | 1.5                   | 35 (1270MHz)             | -35 to +85                 |
| W-CDMA       | DFCB22G14LBJAA | 2140        | 60                 | 2.7                   | 26 (1920 to 1980MHz)     | -30 to +85                 |
| Sirius Radio | DFCB22G32LBJAA | 2326        | 14                 | 1.8                   | 8.5 (2227MHz)            | -35 to +85                 |
| XM Satellite | DFCB22G33LBJAA | 2339        | 14                 | 1.8                   | 8.5 (2240MHz)            | -35 to +85                 |
| WLAN2.4      | DFCB22G44LANAA | 2441.5      | 83                 | 1.5                   | 35 (2000MHz)             | -35 to +85                 |
| WLAN2.4      | DFCB22G44LBJAA | 2442        | 84                 | 2.0                   | 16 (Fo-250MHz)           | -30 to +85                 |
| WLAN2.4      | DFCB22G45LBJAA | 2450        | 100                | 2.0                   | 15 (Fo-250MHz)           | -30 to +85                 |
| WLAN2.4      | DFCB22G48LBJAA | 2484        | 26                 | 2.0                   | 27.5 (Fo-204MHz)         | -30 to +85                 |
| VICS         | DFCB22G50LBJAA | 2500        | 4                  | 4.5                   | 20 (2440MHz)             | -30 to +85                 |
| WLAN5G       | DFCB25G25LAHAA | 5250        | 200                | 1.5                   | 38 (4370 to 4510MHz)     | -35 to +85                 |
| WLAN5G       | DFCB25G59LAHAA | 5597.5      | 255                | 1.5                   | 11 (Fo-375MHz)           | -35 to +85                 |
| WLAN5G       | DFCB25G77LAHAA | 5775        | 100                | 1.5                   | 12 (Fo-375MHz)           | -35 to +85                 |
| ETC          | DFCB25G80LBHAA | 5800        | 100                | 2.0                   | 25 (Fo-375MHz)           | -30 to +85                 |
| DAB          | DFCB31G47LBJAA | 1472        | 40                 | 3.0                   | 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                   | 5 (1930MHz)              | -30 to +85                 |
| PCS1.9       | DFCB31G88LBJAB | 1880        | 60                 | 4.0                   | 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                 | 3.0                   | 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                 | 3.0                   | 24 (2227MHz)             | -35 to +85                 |
| XM Satellite | DFCB32G33LBJAA | 2339        | 14                 | 3.0                   | 24 (2240MHz)             | -35 to +85                 |
| 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                | 3.0                   | 30 (Fo-375MHz)           | -35 to +85                 |
| WLAN5G       | DFCB35G80LBHAA | 5800        | 150                | 3.4                   | 10 (Fo-175MHz)           | -35 to +85                 |