

# CERAMIC MICROWAVE FILTERS BAND PASS FILTERS-DP TYPE

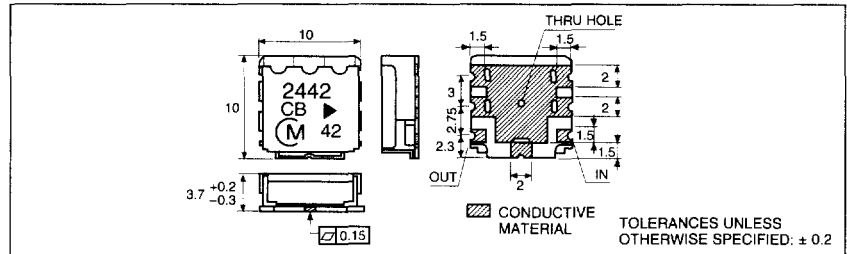


## DFC Series

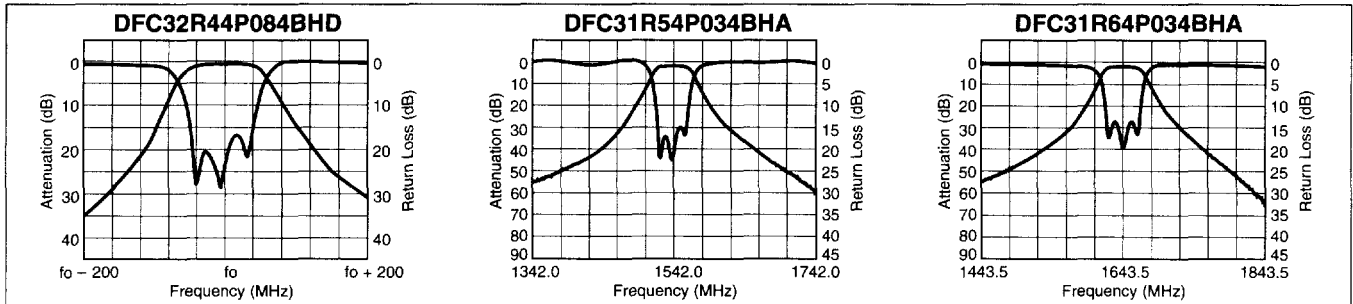
### 3-POLE-ISM 2.4GHz/M-SAT



### DIMENSIONS: mm



### TRANSMISSION vs. REFLECTION CHARACTERISTICS



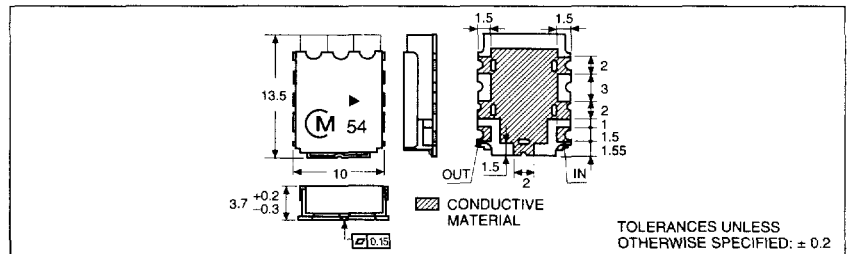
### SPECIFICATIONS

| Application | Part Number     | Center Frequency fo (MHz) | Bandwidth (MHz) | Insertion Loss in BW (dB) | Ripple in BW (dB) | V.S.W.R. in BW | Attenuation (dB) (MHz) | Marking |
|-------------|-----------------|---------------------------|-----------------|---------------------------|-------------------|----------------|------------------------|---------|
| ISM2.4GHz   | DFC32R44P084BHD | 2442.0                    | fo ± 42.0       | 2.0 (0 ~ +85°C)           | 1.0               | 2.0            | 6 (fo ± 80)            | 2442 CB |
|             |                 |                           |                 | 2.4 (-30 ~ +85°C)         |                   |                |                        |         |
| M-SAT       | DFC31R54P034BHA | 1542.0                    | fo ± 17         | 3.0                       | 0.9               | 2.0            | 30 (1626.5 - 1660.5)   | 1643 CC |
|             | DFC31R64P034BHA | 1643.5                    |                 |                           | 0.7               |                | 30 (1525 - 1559)       |         |

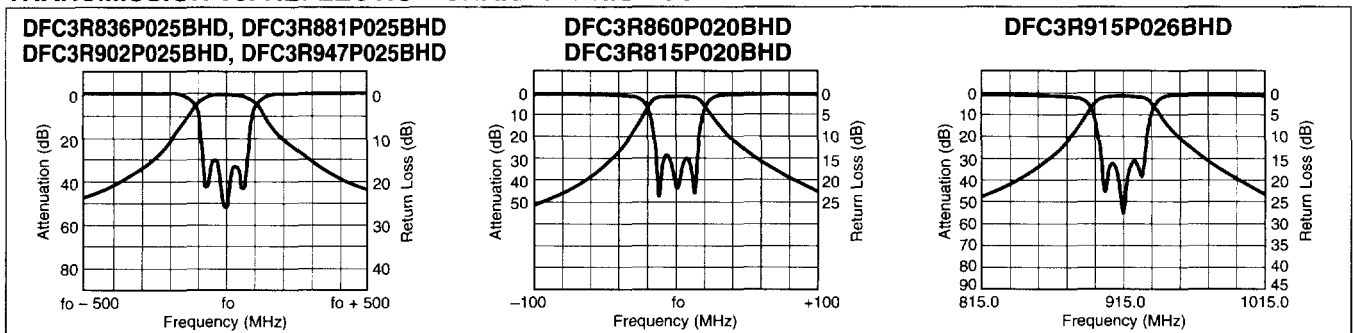
### 3-POLE-E-AMPS/GSM/SMR/ISM915



### DIMENSIONS: mm



### TRANSMISSION vs. REFLECTION CHARACTERISTICS



### SPECIFICATIONS

| Application | Part Number     | Center Frequency fo (MHz) | Bandwidth (MHz) | Insertion Loss in BW (dB) | Ripple in BW (dB) | V.S.W.R. in BW | Attenuation (dB) (MHz) | Marking |
|-------------|-----------------|---------------------------|-----------------|---------------------------|-------------------|----------------|------------------------|---------|
| E-AMPS      | DFC3R836P025BHD | 836.5                     | fo ± 12.5       | 2.6                       | 1.0               | 2.0            | 12 (fo ± 32.5)         | 836 CC  |
|             | DFC3R881P025BHD | 881.5                     | fo ± 12.5       | 2.6                       | 1.0               | 2.0            | 12 (fo ± 32.5)         | 881 CA  |
| GSM         | DFC3R902P025BHD | 902.5                     | fo ± 12.5       | 2.6                       | 1.0               | 2.0            | 12 (fo ± 32.5)         | 902 CC  |
|             | DFC3R947P025BHD | 947.5                     | fo ± 12.5       | 2.6                       | 1.0               | 2.0            | 12 (fo ± 32.5)         | 947 CD  |
| ISM915      | DFC3R915P026BHD | 915.0                     | fo ± 13         | 3.0                       | 1.0               | 2.0            | 12 (fo ± 32.5)         | 915 CD  |
| SMR         | DFC3R815P020BHD | 815                       | fo ± 10         | 2.8                       | 0.8               | 2.0            | 36 (860 ± 10)          | 815 CB  |
|             | DFC3R860P020BHD | 860                       | fo ± 10         | 2.8                       | 0.8               | 2.0            | 36 (815 ± 10)          | 860 CC  |