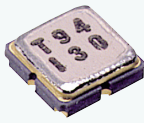


## Monolithic Crystal Filter (MCF)



### TF2-D0AC5

3.0x3.0mm 2-pole HFF-MCF

#### Features

- Ultra miniature size : 3.0(W) X 3.0(D) X 0.9(H)mm
- Light weight (30mg)
- Low impedance
- Excellent spurious characteristics

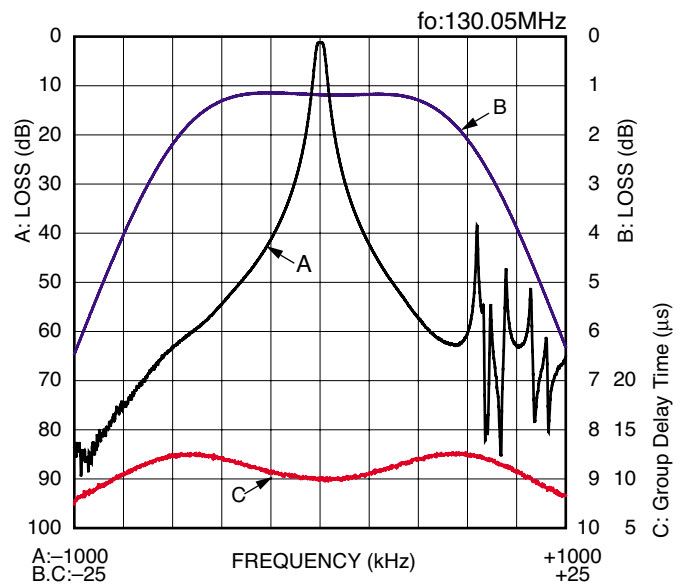
#### Specifications

| Type                                        | TF2-D0AC5                       |
|---------------------------------------------|---------------------------------|
| Nominal frequency [fo]                      | 130.05 MHz (*)                  |
| 1dB Pass band                               | fo ±10.5kHz min.                |
| 3dB Pass band                               | fo ±15kHz min.                  |
| Insertion loss                              | 3.0 dB max.                     |
| Pass band ripple (Peak to valley)           | 1.0 dB max.                     |
| Stop band attenuation                       |                                 |
| fo ± 50kHz                                  | 10 dB min.                      |
| fo -100kHz                                  | 25 dB min.                      |
| fo -200kHz                                  | 35 dB min.                      |
| fo -910kHz                                  | 70 dB min.                      |
| Spurious response<br>(fo+300kHz to fo+1MHz) | 15.0 dB min.                    |
| Group delay distortion                      | 5 μs max.<br>within fo ±10.5kHz |
| Terminating impedance                       | 200 Ω // 1.7 pF                 |
| Operating temperature range                 | -20 °C to +70 °C                |

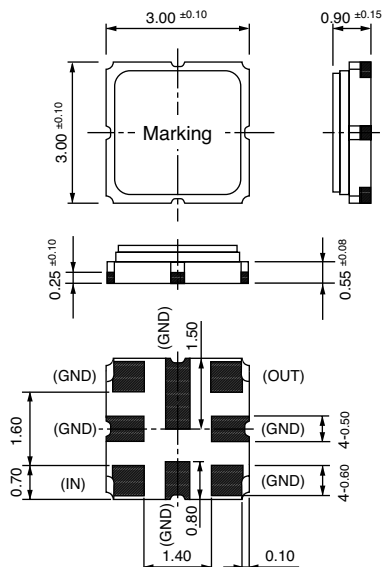
(\*) Available range of nominal frequency is 100MHz to 200MHz.

#### Application

- IF filter for Cellular Phone  
PDC / TDMA system



#### Package Outlines [Dimensions in mm]



#### Footprint [Dimensions in mm]

