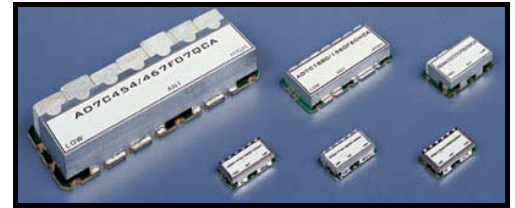


## Features

- Small and light size
- Low insertion loss for using high Q-value resonators
- Excellent temperature stability
- Excellent mechanical structure
- Good selectivity
- Suitable for surface mount and reflow soldering

## AD Series



## Electronic Characteristics

| Part Number                                | Center Freq. $f_0$ (MHz) |        | Pass Bandwidth (MHz) | Insertion Loss (dB max) | VSWR max | Stop Band Attenuation (dB min) | Dimension W x L x H (mm) | Applications |
|--|--------------------------|--------|----------------------|-------------------------|----------|--------------------------------|--------------------------|--------------|
|  | Tx                       | Rx     |                      |                         |          |                                |                          |              |
| AD8C830/875F10QCA                          | Tx                       | 830.0  | $f_0 \pm 5.0$        | 2.0                     | 1.5      | 48 ( $f_r \pm 5.0$ )           | 100 x 34 x 14            | China CDMA   |
|  | Rx                       | 875.0  | $f_0 \pm 5.0$        | 2.0                     | 1.5      | 50 ( $f_r \pm 5.0$ )           |                          |              |
| AD6A1950/2140F60DCA<br>AE6A1950/2140F60DCA | Tx                       | 1950.0 | $f_0 \pm 30.0$       | 2.8                     | 1.8      | 40 ( $f_r \pm 30.0$ )          | 21 x 15 x 4.5            | IMT-2000     |
|  | Rx                       | 2140.0 | $f_0 \pm 30.0$       | 2.5                     | 1.8      | 48 ( $f_r \pm 30.0$ )          |                          |              |
| AE6A902/947F25DCA                          | Tx                       | 902.5  | $f_0 \pm 12.5$       | 2.4                     | 1.7      | 32 ( $f_r \pm 12.5$ )          | 21 x 15 x 4.5            | GSM          |
|  | Rx                       | 947.5  | $f_0 \pm 12.5$       | 3.2                     | 1.8      | 30 ( $f_r \pm 12.5$ )          |                          |              |
| AD8A3430/3530F60FCA                        | Tx                       | 3430.0 | $f_0 \pm 30.0$       | 6.5                     | 2.0      | 18 ( $f_r \pm 30.0$ )          | 36 x 44 x 5.5            | MMDS         |
|  | Rx                       | 3530.5 | $f_0 \pm 30.0$       | 6.5                     | 2.0      | 18 ( $f_r \pm 30.0$ )          |                          |              |
| AD7A1880/1960F60DCA                        | Tx                       | 1880.0 | $f_0 \pm 30.0$       | 2.6                     | 1.8      | 25 ( $f_r \pm 30.0$ )          | 23 x 13 x 4.5            | US-PCS       |
|  | Rx                       | 1960.0 | $f_0 \pm 30.0$       | 3.5                     | 1.8      | 22 ( $f_r \pm 30.0$ )          |                          |              |
| AD4A1227/1575S20KCA                        | Tx                       | 1227.0 | $f_0 \pm 10.0$       | 1.0                     | 1.7      | 40 ( $f_r \pm 10.0$ )          | 26 x 15 x 7.5            | GPS          |
|  | Rx                       | 1575.0 | $f_0 \pm 10.0$       | 1.0                     | 1.7      | 40 ( $f_r \pm 10.0$ )          |                          |              |
| AD7A836/881F25DCA                          | Tx                       | 836.5  | $f_0 \pm 12.5$       | 2.6                     | 1.7      | 40 ( $f_r \pm 12.5$ )          | 23 x 15 x 4.5            | Korea CDMA   |
|  | Rx                       | 881.5  | $f_0 \pm 12.5$       | 3.7                     | 1.8      | 50 ( $f_r \pm 12.5$ )          |                          |              |
| AD7C830/875F10HCA                          | Tx                       | 830.0  | $f_0 \pm 5.0$        | 2.5                     | 1.5      | 50 ( $f_r \pm 5.0$ )           | 47 x 19 x 7.0            | China CDMA   |
|  | Rx                       | 875.0  | $f_0 \pm 5.0$        | 2.5                     | 1.5      | 55 ( $f_r \pm 5.0$ )           |                          |              |
| AD9C830/875F10KCA                          | Tx                       | 830.0  | $f_0 \pm 5.0$        | 2.8                     | 1.5      | 60 ( $f_r \pm 5.0$ )           | 57 x 19 x 7.5            | China CDMA   |
|  | Rx                       | 875.0  | $f_0 \pm 5.0$        | 2.5                     | 1.5      | 60 ( $f_r \pm 5.0$ )           |                          |              |
| AD9C902/947F25HCA                          | Tx                       | 902.5  | $f_0 \pm 12.5$       | 4.3                     | 1.8      | 42 ( $f_r \pm 12.5$ )          | 47 x 19 x 7.0            | GSM          |
|  | Rx                       | 947.5  | $f_0 \pm 12.5$       | 3.8                     | 1.8      | 40 ( $f_r \pm 12.5$ )          |                          |              |
| AD9C902/947F25KCA                          | Tx                       | 902.5  | $f_0 \pm 12.5$       | 3.1                     | 1.5      | 44 ( $f_r \pm 12.5$ )          | 57 x 19 x 7.5            | GSM          |
|  | Rx                       | 947.5  | $f_0 \pm 12.5$       | 3.1                     | 1.5      | 45 ( $f_r \pm 12.5$ )          |                          |              |
| AD9C1950/2140F60HCA                        | Tx                       | 1950.0 | $f_0 \pm 30.0$       | 2.6                     | 1.8      | 48 ( $f_r \pm 30.0$ )          | 47 x 18 x 7.0            | IMT-2000     |
|  | Rx                       | 2140.0 | $f_0 \pm 30.0$       | 2.0                     | 1.8      | 52 ( $f_r \pm 30.0$ )          |                          |              |
| AD9C1747/1842F75KCA                        | Tx                       | 1747.5 | $f_0 \pm 37.5$       | 3.8                     | 1.5      | 25 ( $f_r \pm 37.5$ )          | 47 x 18 x 7.0            | DCS          |
|  | Rx                       | 1842.5 | $f_0 \pm 37.5$       | 3.8                     | 1.5      | 18 ( $f_r \pm 37.5$ )          |                          |              |
| AD10C1747/1842F75KCA                       | Tx                       | 1747.5 | $f_0 \pm 37.5$       | 2.5                     | 1.5      | 30 ( $f_r \pm 37.5$ )          | 47 x 18 x 7.0            | DCS          |
|  | Rx                       | 1842.5 | $f_0 \pm 37.5$       | 2.5                     | 1.5      | 25 ( $f_r \pm 37.5$ )          |                          |              |

Note: Please consult VTC support for other frequencies and specifications that are not listed above.

## Method of Definition

**AD 4 A 830/875 F 10 Q C A**

AD : AD Dielectric Filter  
 4 : Number of holes  
 A : Notch type  
 830 : Center frequency in MHz  
 F : PCB mount type

10 : Bandwidth in MHz  
 Q : Dimensions  
 C : Hole structure  
 A : Versions