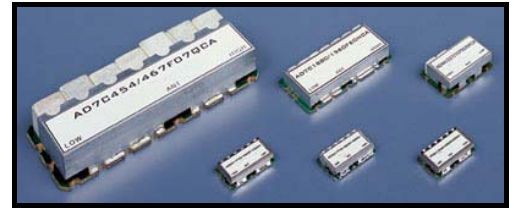


## Features

- 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 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