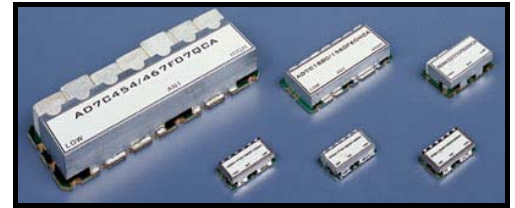


Features

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

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