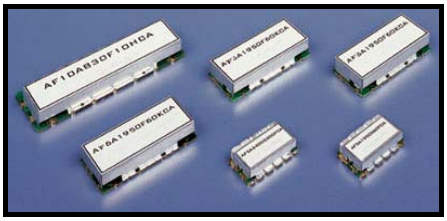
VANLONG

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

AF Series



Electronic Characteristics

Part Number	Center Freq. f_O (MHz)	Pass Bandwidth (MHz)	IL (dB) max	Ripple (dB) max	VSWR max	Stop Band Attenuation (dB) min	Dimension W x L x H (mm)	Applications
AF3A830S10KCA	830.0	f_O ± 5.0	1.5	0.3	1.5	30 (f_O ± 50)	20.5x15x7.5	China CDMA
AF3A875S10KCA	875.0	f_O ± 5.0	1.5	0.3	1.5	30 (f_O ± 50)	20.5x15x7.5	
AF4A830S10DCA	830.0	f_O ± 5.0	3.0	0.8	1.5	35 (f_O ± 50)	13.0x16x4.5	
AF4A875S10DCA	875.0	f_O ± 5.0	3.0	0.8	1.5	35 (f_O ± 50)	13.0x16x4.5	
AF3A902S25DCA	902.5	f_O ± 12.5	2.5	1.0	1.7	12 (f_O ± 32.5)	10.0x14x4.5	GSM
AF4A947S25DCA	974.5	f_O ± 12.5	2.5	1.0	1.7	12 (f_O ± 32.5)	10.0x14x4.5	
AF4A1950S60DCA	1950.0	f_O ±30.0	3.0	1.0	1.5	35 (f_O + 160)	13.5x12.5x4.5	IMT-2000
AF4A2140S60DCA	2140.0	f_O ± 30.0	3.0	1.0	1.5	45 (f_O - 160)	13.5x12.5x4.5	
AF4A1747S75DCA	1747.5	f_O ± 37.5	3.0	1.3	1.8	50 (f_O ± 200)	13.0x10x4.5	DCS
AF4A1842S75DCA	1842.5	f_O ± 37.5	3.0	1.3	1.8	50 (f_O ± 200)	13.0x10x4.5	
AF4A1880S60DCA	1880.0	f_O ± 30.0	2.5	1.0	1.8	20 (f_O ± 80)	13.0x10x4.5	US-PCS
AF4A1960S60DCA	1960.0	f_O ± 30.0	2.5	1.0	1.8	20 (f_O ± 80)	13.0x10x4.5	
AF4A836S25DCA	836.5	f_O ± 12.5	3.0	0.6	1.5	20 (f_O + 32.5)	13.0x16x4.5	Korea CDMA
AF4A881S25DCA	881.5	f_O ± 12.5	3.0	0.6	1.5	20 (f_O – 32.5)	13.0x10x4.5	
AF4A830F10KCB	830.0	f_O ± 5.0	3.0	1.0	1.5	50 (f_O + 45)	25.0x14x7.0	C-CDMA
AF4A875F10KCB	875.0	f_O ± 5.0	3.0	1.0	1.5	50 (f_O - 45)	25.0x14x7.0	
AF3A830F10DCA	830.0	f_O ± 5.0	2.6	1.0	2.0	12 (f_O ± 25)	10.0x14.6x4.5	
AF3A875F10DCA	875.0	f_O ± 5.0	2.6	1.0	2.0	12 (f_O ± 25)	10.0x14.6x4.5	
AF3A902F25DCB	902.5	f_O ±12.5	2.2	0.6	2.0	12 (f_O ± 32.5)	10.0x14x4.5	GSM
AF3A947F25DCB	947.5	f_O ± 12.5	2.2	0.6	2.0	12 (f_O ± 32.5)	10.0x14x4.5	
AF4A1950S60DCC	1950.0	f_O ± 30.0	2.5	1.0	1.5	30 (f_O + 160)	13.0x12x4.5	W-CDMA
AF4A2140S60DCB	2140.0	f_O ± 30.0	2.5	1.0	1.5	30 (f_O - 160)	13.0x12x4.5	
AF3A1747F75DCA	1747.5	f_O ± 37.5	2.0	1.0	2.0	8 (f_O + 80)	10.0x8x4.5	DCS
AF3A1842F75DCA	1842.5	f_O ± 37.5	2.0	1.0	2.0	8 (f_O - 80)	10.0x8x4.5	
AF4A1880S60DCA	1880.0	f_O ± 30.0	2.5	1.0	1.8	20 (f_O ± 80)	13.0x12x4.5	US-PCS
AF4A1960S60DCC	1960.0	f_O ± 30.0	2.5	1.0	1.8	20 (f_O ± 80)	13.0x12x4.5	
AF3A813F15DCC	813.5	f_O ± 7.5	2.6	1.0	2.0	12 (f_O ± 27.5)	10.0x14x4.5	TRS
AF3A858F15DCC	858.5	f_O ± 7.5	2.6	1.0	2.0	12 (f_O ± 27.5)	10.0x14x4.5	
AF5A830S10HCA	830.0	f_O ± 5.0	3.0	0.5	1.5	55 (f_O ± 50)	26.0x16x6.5	China CDMA
AF5A875S10HCA	875.0	f_O ± 5.0	3.0	0.5	1.5	55 (f_O ± 50)	26.0x16x6.5	
AF6A830S10KCA	830.0	f_O ± 5.0	4.0	0.5	1.5	60 (f_O ± 50)	38.0x23x7.5	
AF6A875S10KCA	875.0	f_O ± 5.0	4.0	0.5	1.5	60 (f_O ± 50)	38.0x23x7.5	
AF5B902F25HCA	902.5	f_O ± 12.5	3.0	1.0	1.5	38 (f_O + 32.5)	26.0x16x6.5	GSM
AF5A947F25HCA	947.5	f_O ± 12.5	3.0	1.0	1.5	38 (f_O - 32.5)	26.0x16x6.5	

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Part Number	Center Freq. f_O (MHz)	Pass Bandwidth (MHz)	IL (dB) max	Ripple (dB) max	VSWR max	Stop Band Attenuation (dB) min	Dimension W x L x H (mm)	Applications
AF5A1950S60HCA	1950.0	f_O ± 30.0	2.5	1.0	1.5	55 (f_O ± 160)	23.0x15x5.5	IMT-2000
AF5A2140S60HCA	2140.0	f_O ± 30.0	2.5	1.0	1.5	55 (f_O ± 160)	23.0x15x5.5	
AF6A1747F75KCA	1747.5	f_O ± 37.5	3.5	3.0	1.5	25 (f_O ± 57.5)	38.0x16x8.0	DCS
AF6A1842F75KCA	1842.5	f_O ± 37.5	3.5	3.0	1.5	25 (f_O ± 57.5)	38.0x16x8.0	
AF4A409F07KCA	409.5	f_O ± 3.5	3.0	0.8	1.7	30 (f_O + 13.5)	26.0x24x7.5	WLL
AF4A426F07KCA	426.5	f_O ± 3.5	3.0	0.8	1.7	30 (f_O - 13.5)	26.0x24x7.5	
AF7A1880F60KCA	1880.0	f_O ± 30.0	3.5	1.5	1.5	50 (f_O + 50)	44.0x16x8.0	US-PCS
AF7A1960F60KCA	1960.0	f_O ± 30.0	3.5	1.5	1.5	50 (f_O - 50)	44.0x16x8.0	
AF6A830F10KCA	830.0	f_O ± 5.0	4.0	0.5	1.5	60 (f_O ± 50)	38.0x18.5x7.5	C-CDMA
AF6A875F10KCA	875.0	f_O ± 5.0	4.0	0.5	1.5	60 (f_O ± 50)	38.0x18.5x7.5	
AF5B902F25HCA	902.5	f_O ± 12.5	3.0	1.0	1.5	38 (f_O + 32.5)	26.0x16x6.5	GSM
AF5B947F25HCA	947.5	f_O ± 12.5	3.0	1.0	1.5	38 (f_O - 32.5)	26.0x16x6.5	
AF5A1950F60HCA	1950.0	f_O ± 30.0	2.5	1.0	1.5	55 (f_O ± 160)	26.0x14x6.5	W-CDMA
AF5A2140F60HCA	2140.0	f_O ± 30.0	2.5	1.0	1.5	55 (f_O ± 160)	26.0x14x6.5	
AF5B1880F60KCA	1880.0	f_O ± 30.0	3.5	1.5	1.5	30 (f_O + 50)	32.0x17x7.5	US-PCS
AF5B1960F60KCA	1960.0	f_O ± 30.0	3.5	1.5	1.5	30 (f_O - 50)	32.0x17x7.5	
AF9A870F02KCA	870.0	f_O ± 1.0	15.0	2.0	1.5	70 (f_O ± 10)	56.0x20x7.5	Narrow Band
AF9A990F02KCA	990.0	f_O ± 3.0	12.0	2.0	1.5	50 (f_O ± 10)	56.0x20x7.5	
AF5A1100F400HCA	1100.0	f_O ± 200.0	1.5	1.0	1.8	40 (f_O - 400)	26.0x14x6.5	Wide Band
AF6A1000F350KCA	1000.0	f_O ± 175.0	2.0	0.8	1.5	35 (f_O - 275)	38.0x18.5x7.5	
AF6A1237F575KCA	1237.5	f_O ± 287.5	2.0	0.5	1.5	10 (f_O – 337.5)	38.0x18.5x7.5	
AF10A975F250KCA	975.0	f_O ± 125.0	3.5	1.7	1.8	40 (f_O ± 170)	62.0x20x7.5	

Note: Please consult VTC support for other frequencies and specification that is not listed above.

Method of Definition

AF 4 A 2025 S 60 D C A

AF : AF type dielectric filter
4 : Number of holes
A : Notch type
2025 : Center frequency in MHz
S : PCB mount type
60 : Bandwidth in MHz
D : Dimensions
C : Hole structure
A : Versions

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