

## 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

## DF 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)
DF2C620P10ASNS	620.00	$f_0 \pm 5.0$	2.5	2.0	$40(f_0-117.5)/20(f_0+117.5)$	7.4x10.9x3.7
DF2C670P10ASNS	670.00	$f_0 \pm 5.0$	2.5	2.0	$40(f_0-117.5)/20(f_0+117.5)$	7.4x10.0x3.7
DF2C796P06ASNS	796.60	$f_0 \pm 3.0$	2.0	1.5	$30(f_0-65)/20(f_0+65)$	7.4x8.5x3.7
DF2C903P02ACNS	903.00	$f_0 \pm 1.0$	3.5	2.0	$25(f_0-24)/20(f_0+24)$	7.4x8.8x3.7
DF2C927P02ACNS	927.00	$f_0 \pm 1.0$	3.5	2.0	$25(f_0-24)/20(f_0+24)$	7.4x8.6x3.7
DF2C2403P06ACNS	2403.75	$f_0 \pm 3.0$	3.5	2.0	$35(f_0+72)$	7.4x7.0x3.7
DF2C2475P06ACNS	2475.75	$f_0 \pm 3.0$	3.5	2.0	$35(f_0-72)$	7.4x6.8x3.7
DF2C808P02AENS	808.35	$f_0 \pm 1.0$	3.5	2.0	$35(f_0+25)/15(f_0-25)$	7.4x10.0x3.7
DF2C818P02AENS	817.95	$f_0 \pm 1.0$	3.5	2.0	$35(f_0+25)/15(f_0-25)$	7.4x9.9x3.7
DF2C903P02AENS	903.00	$f_0 \pm 1.0$	3.5	2.0	$35(f_0+24)/15(f_0-24)$	7.4x8.8x3.7
DF2C927P02AENS	927.00	$f_0 \pm 1.0$	3.5	2.0	$35(f_0+24)/15(f_0-24)$	7.4x8.7x3.7
DF2C907P02CNU	906.50	$f_0 \pm 1.0$	3.0	2.0	35(926.50)	7.4x9.1x3.7
DF2C903P02BESS	903.00	$f_0 \pm 1.0$	3.5	2.0	$15(f_0-24)/30(f_0+24)$	6.0x8.8x3.0
DF2C927P02BESS	927.00	$f_0 \pm 1.0$	3.5	2.0	$15(f_0+24)/30(f_0-24)$	6.0x8.6x3.0
DF2C914P01BCSS	914.50	$f_0 \pm 0.5$	3.5	2.0	$24(f_0-44)/30(f_0+44)$	6.0x8.7x3.0
DF2C959P01BCSS	959.50	$f_0 \pm 0.5$	3.5	2.0	$24(f_0-44)/30(f_0+44)$	6.0x8.2x3.0
DF2C2403P06BESS	2403.75	$f_0 \pm 3.0$	3.2	2.0	$33(f_0+72)$	6.0x7.0x3.0
DF2C2475P06BESS	2475.75	$f_0 \pm 3.0$	3.2	2.0	$33(f_0-72)$	6.0x6.8x3.0
DF2C903P02BCSS	903.00	$f_0 \pm 1.0$	3.5	2.0	$20(f_0+24)/15(f_0-24)$	6.0x8.8x3.0
DF2C927P02BCSS	927.00	$f_0 \pm 1.0$	3.5	2.0	$20(f_0-24)/15(f_0+24)$	6.0x8.6x3.0
DF2C915P26BSSS	915.00	$f_0 \pm 13.0$	2.5	2.0	$27(f_0-77.5)/17(f_0+77.5)$	5.8x7.3x2.9
DF2C2442P83BSSL	2442.0	$f_0 \pm 41.5$	1.5	2.0	$35(f_0-291.5)$	5.05x3.2x1.9
DF2C2442P85BSSS	2442.0	$f_0 \pm 42.5$	2.5	2.0	$40(f_0-500)/38(f_0+500)$	5.7x4.4x2.0
DF2C2442P84ASSS	2442.0	$f_0 \pm 42.0$	3.2	2.0	$40(f_0-500)/38(f_0+500)$	5.7x3.3x1.9
DF2C1575P10ACNS	1575.4	$f_0 \pm 5.0$	2.6	2.0	$30(f_0-140)/28(f_0+140)$	5.7x5.2x2.85
DF2C1890P20ACNS	1890.0	$f_0 \pm 10.0$	2.5	2.0	$25(f_0-100)/20(f_0+100)$	5.7x4.3x2.85

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

## Method of Definition

**DF 2 C 903 P 02 A C N S**

DF : Dielectric Filter  
 2 : Number of holes  
 C : SMD type  
 903 : Center frequency in MHz  
 P : Filter type, i.e. P - Band pass

02 : Bandwidth in MHz  
 A : Product series  
 C : Hole structure  
 N : Part type, i.e. N - Normal, S - Small  
 S : Electrode type