

# Dielectric Filters (DF-B)

**Token Dielectric Filter (DF-B)  
has a Ripple in Band Width (dB) 0.5 max.**



## ▶ Preview

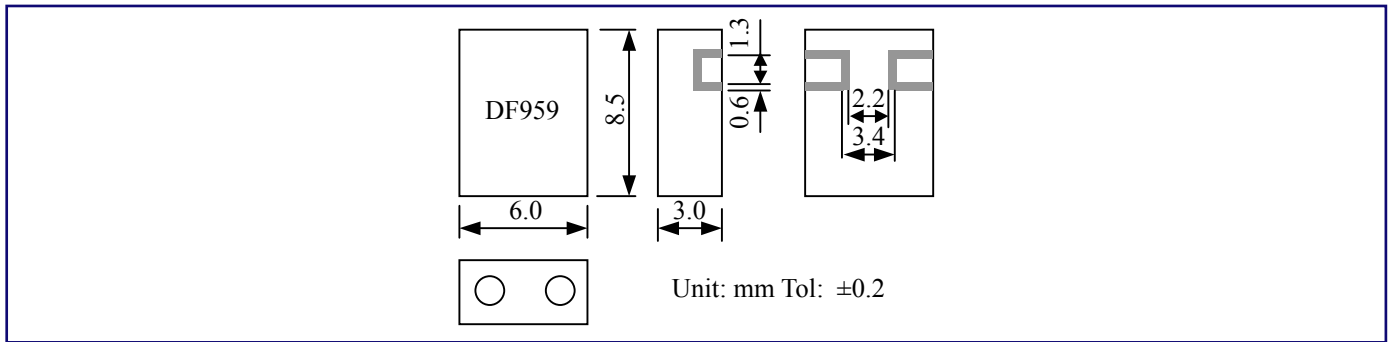
Token Dielectric Filter (DF-B) manufactures with a fine-grained, high density, high purity dielectric material to keep the best performance with a ripple in band width (dB) 0.5 max.

The (DF-B) filter's small size (8.5 x 6.0 x 3.0 mm) means they require more less mounting space. Available Center Frequency 650 MHz to 916 MHz with V.S.W.R 1.5 max., insertion loss 2.0 ~ 5.0 (dB) max.

RF dielectric filters are mounted in a surface mount package which assures mechanical stability and excellent lead coplanarity. RF filters can be customized designs and tighter tolerances available on request.

Products conform to the RoHS directive. Application of specific designs also available including different Dielectric values and Q specifications adjusted to frequency requirements.

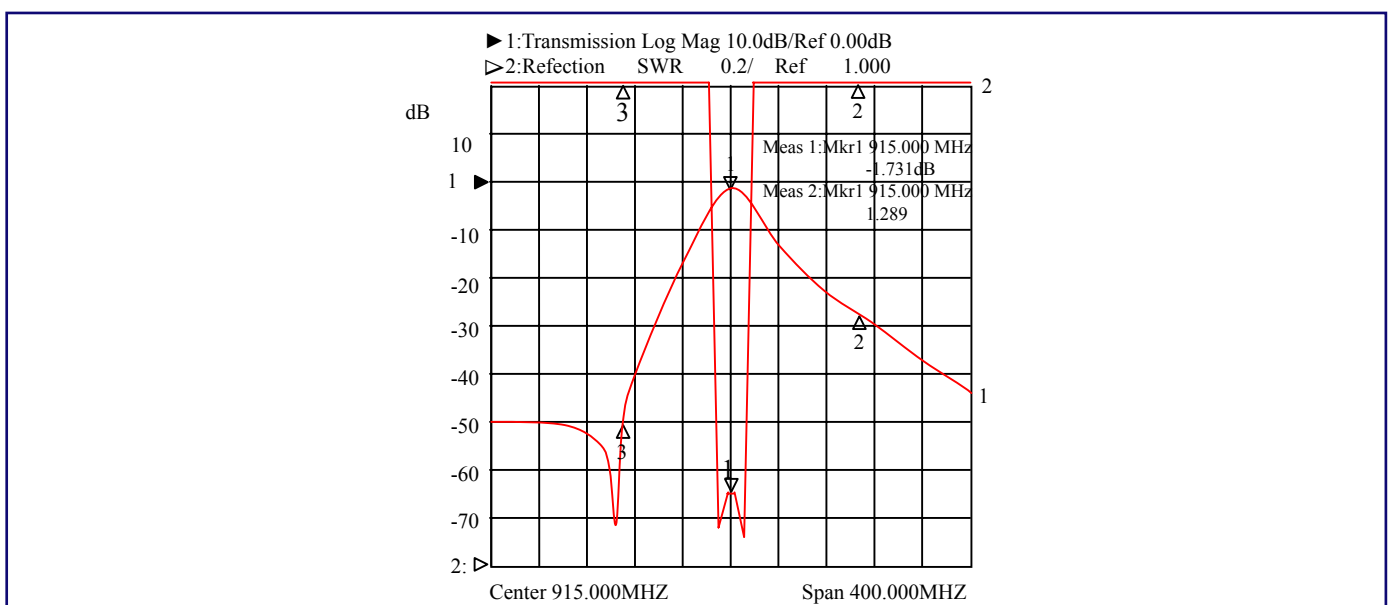
## ► Dimensions (Unit: mm)

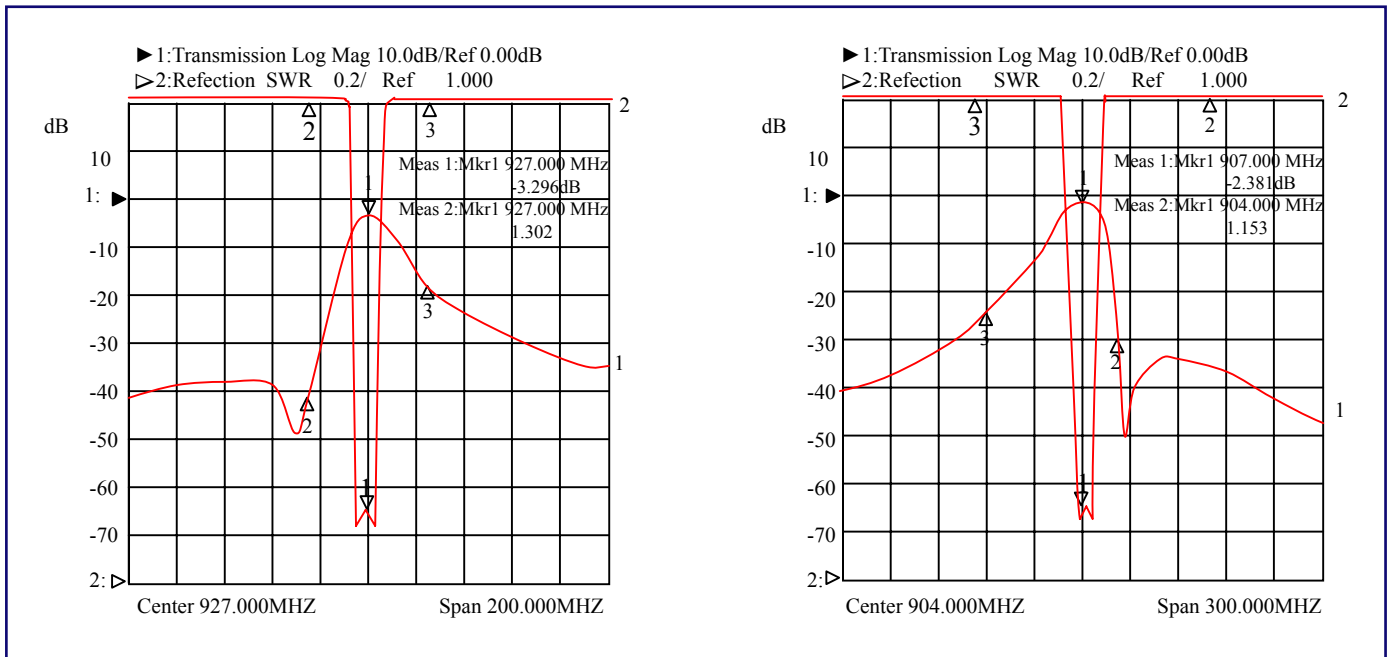


## ► Typical Specifications

Part No.	Center Frequency (MHz)	Band Width (MHz)	Insertion Loss (dB)max.	Ripple in Band Width (dB)max.	V.S.W.R max.	Attenuation (dB)min.(MHz)
DF650S30B	650	fo±15	2.5	0.5	1.5	19 at fo±64
DF700S20B	700	fo±10	2.5	0.5	1.5	19 at fo±64
DF710S08B	710	fo±4	5.0	0.5	1.5	35 at fo+100; 28 at fo+50
DF746S20B	746	fo±10	2.5	0.5	1.5	12 at fo-20
DF758S16B	758	fo±8	2.5	0.5	1.5	19 at fo±64
DF794S20B	794	fo±10	2.5	0.5	1.5	19 at fo±64
DF800S08B	800	fo±4	5.0	0.5	1.5	35 at fo+100; 28 at fo+50
DF836S20B	836	fo±10	2.5	0.5	1.5	19 at fo+52
DF850S08B	850	fo±4	5.0	0.5	1.5	30 at fo+100; 40 at fo-200
DF863S22B	863	fo±11	2.0	0.5	1.5	50 at fo-90; 20 at fo+90
DF875S24B	875	fo±12	2.3	0.5	1.5	30 at fo-70
DF903S09B	903	fo±4.5	3.5	0.5	1.5	34 at fo-64; 41 at fo+64
DF906S20B	906	fo±10	2.5	0.5	1.5	19 at fo±64
DF916S30B	916	fo±15	2.7	0.5	1.5	20.5 at fo±70

## ► Typical Characteristic





## How to Order

- DF
- 836
- S
- 20
- B

- ❶ Dielectric Filter
- ❷ Center Frequency
- ❸ Connect Type :

Code	Size
S	SMD type

- ❹ Bandwidth
- ❺ Size

Code	Size
A	7.3*3.6 mm
B	6.0*3.0 mm
C	4.5*2.0 mm
D	3.6*1.8 mm

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