MICROWAVE FILTERS (GIGAFIL®)

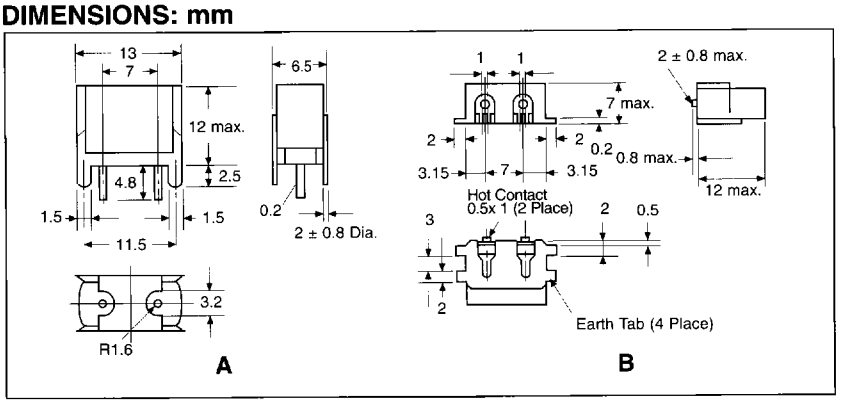
DFC Series

2 POLE

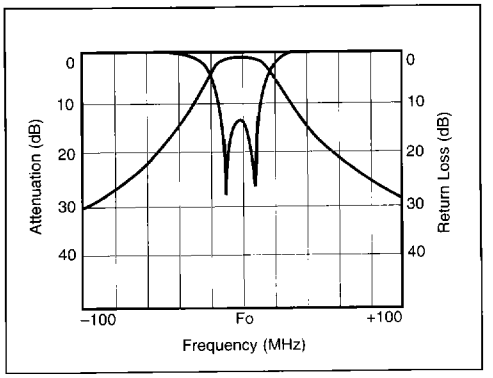
FEATURES

- Low insertion loss for using high Q-value dielectric resonators.
- Small and light for using high dielectric constant ceramics.
- Excellent temperature stability for temperature compensated dielectric constant (± 5ppm/°C max.).
- Excellent mechanical stability for vibratile structure.
- Available for SMD type (B).

DIMENSIONS: mm



TRANSMISSION vs. REFLECTION CHARACTERISTICS

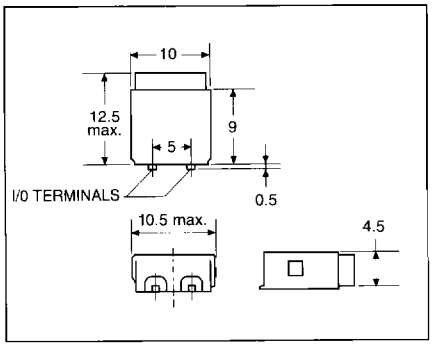


SPECIFICATIONS

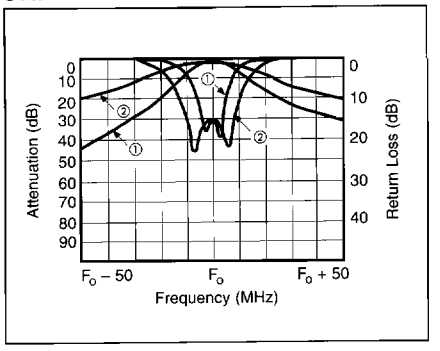
Part Number	Center Frequency	Bandwidth	Insertion Loss in BW	Ripple in BW	V.S.W.R. in BW	Attenuation	Type
DFC2R836P025BTD	836.5MHz	Fo±12.5MHz	1.8dB max.	0.8dB max.	2.0 max.	20dB (Fo±77.5MHz)	A
DFC2R881P025BTD	881.5MHz						
DFC2R926P025BTD	926.5MHz						
DFC2R964P025BTD	964.5MHz						
DFC21R57P020BTL	1575.0	Fo±10MHz	1.0dB max.	0.5dB max.	2.0 max.	20dB (Fo±40MHz)	B

SMD – 2-POLE

DIMENSIONS: mm



TRANSMISSION vs. REFLECTION CHARACTERISTICS



SPECIFICATIONS

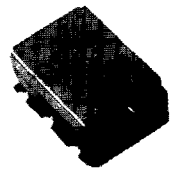
Part Number	Center Frequency	Bandwidth	Insertion Loss in BW	Ripple in BW	V.S.W.R. in BW	Attenuation	Graph No.
DCF2R914P001BLL	914.5MHz	Fo±0.5MHz	3.0dB max.	0.5dB max.	2.0 max.	24dB min. at Fo±45MHz	①
DFC2R959P001BLL	959.5MHz						
DFC2R886P002BLL	886.0MHz	Fo±1.0MHz					
DFC2R931P002BLL	931.0MHz						
DFC21R57P020BLL	1575.0MHz	Fo±10MHz	2.0dB max.	1.0dB max.	2.0 max.	20dB min. at Fo±140MHz	②
DFC21R57P020BLLA	1575.0MHz	Fo±10MHz	2.5dB max.	1.0dB max.	2.0 max.	30dB min. at Fo±140MHz	—

MICROWAVE FILTERS (GIGAFIL®)

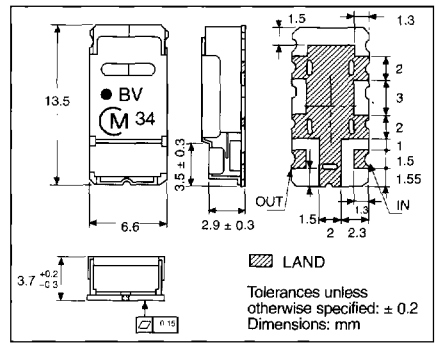
muRata

DFC Series

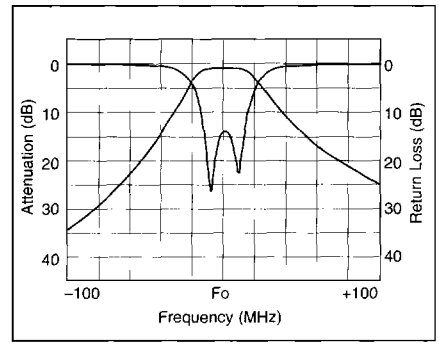
SMD – 2-POLE – LOW COST



DIMENSIONS: mm



TRANSMISSION vs. REFLECTION CHARACTERISTICS



SPECIFICATIONS

Part Number	Center Frequency	Bandwidth	Insertion Loss in BW	Ripple in BW	V.S.W.R. in BW	Attenuation
DFC2R836P025BHD	836.5MHz	Fo±12.5MHz	2.2dB max.	1.0dB max.	2.0 max.	5dB min. at Fo±32.5MHz
DFC2R881P025BHD	881.5MHz	Fo±12.5MHz	2.2dB max.	0.8dB max.	2.0 max.	5dB min. at Fo±32.5MHz
DFC2R915P025BHD	915.0MHz	Fo±13MHz	2.3dB max.	1.0dB max.	2.0 max.	23dB min. at Fo−77.5MHz 18dB min. at Fo+77.5MHz
DFC21R57P002BHA	1575.5MHz	Fo±1MHz	0.7dB max.	0.3dB max.	2.0 max.	14dB min. at Fo±140Mhz

ALSO AVAILABLE:

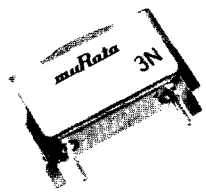
Application	Part Number
	2 Pole
E-Amps	See Above
GSM	DFC2R902P025BTD
	DFC2R947P025BTD
SST	DFC2R915P025BTD

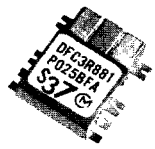
Application	Part Number
	2 Pole
LMR	DFC2R815P020BTD
	DFC2R860P020BTD
CT2	DFC2R886P004BLL
SkyPhone	—
DECT	DFC21R89P022BLL
	DFC21R89P022BLLA

MICROWAVE FILTERS (GIGAFIL®)

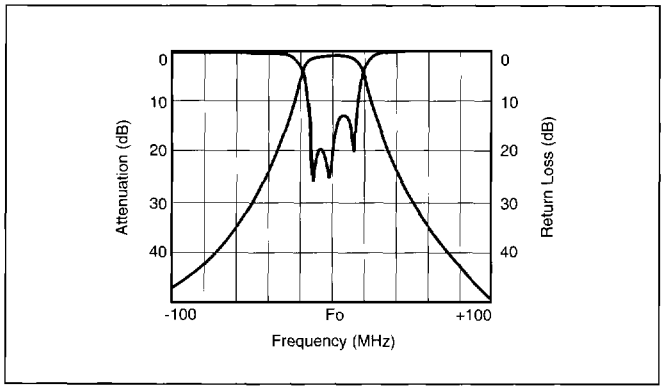
DFC Series

3 POLE

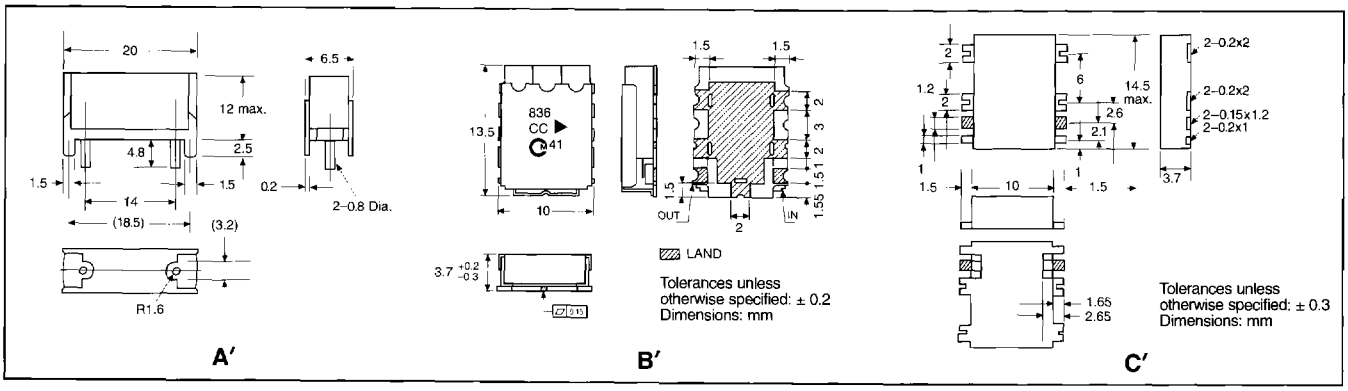




TRANSMISSION vs. REFLECTION CHARACTERISTICS



DIMENSIONS: mm



E-AMPS SPECIFICATIONS – 3 POLE

Part Number	Center Frequency	Bandwidth	Insertion Loss in BW	Ripple in BW	V.S.W.R. in BW	Attenuation	Type
DFC3R836P025ETD	836.5MHz	Fo±12.5MHz	2.0dB max.	0.8dB max.	2.0 max.	12dB(Fo±32.5MHz)	A′
DFC3R881P025ETD	881.5MHz						
DFC3R836P025BFA	836.5MHz		2.6dB max.	1.0dB max.			C′
DFC3R881P025BFA	881.5MHz						
DFC3R836P025BHD	836.5MHZ						B′
DFC3R881P025BHD	881.5MHZ						

ALSO AVAILABLE:

Application	Part Number	
	3 Pole	4 Pole
E-Amps	See Above	DFC4R836P025BFA
		DFC4R881P025BFA
GSM	DFC3R902P025BFA	DFC4R902P025BFA
	DFC3R902P025ETD	DFC4R902P025ETD
	DFC3R947P025BFA	DFC4R947P025BFA
	DFC3R947P025ETD	DFC4R947P025ETD
SST	DFC3R915P025BTD	—
	DFC32R44P084BFA	—
	DFC3R915P025BFA	—
ETACS	DFC3R888P033ETD	DFC4R888P033BFA
	DFC3R933P033ETD	DFC4R933P033BFA
	DFC3R888P033BFA	—
	DFC3R933P033BFA	—

Application	Part Number	
	3 Pole	4 Pole
MSAT	DFC31R54P034ETD	—
	DFC31R64P034ETD	—
TCAS	—	DFC41R09P004BTL
	—	DFC41R03P006BTL
LMR	DFC3R815P020BTD	—
	DFC3R860P020BTD	—
Cordless Phone	DFC3R914P001BTD	—
	DFC3R959P001BTD	—
	DFC3R886P002BTD	—
	DFC3R931P002BTD	—
SkyPhone	—	DFC4R850P002BTU
	—	DFC4R895P002BTU