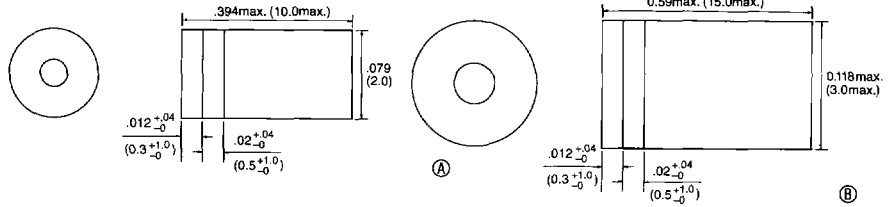
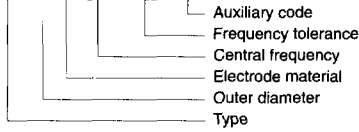


FILTERS

UHF BAND DIELECTRIC RESONATOR TEM MODE

Part Numbering System

(Example) GBF 30 A 2850 W040 S01



Ordering code	Q (min)	Resonant Frequency (MHz)	%	Figure
GBF20A□□□□W□□A1A	160	870~2700	± 1	(A)
GBF30A□□□□W□□A1A	160~200	480~1700	± 1	(B)



HIGH FREQUENCY FILTERS

The specifications listed below are typical and the items are shown to represent the breadth of Taiyo Yuden's design and production capabilities. For an engineering consultation on a custom solution for your specific application, please contact your local Taiyo Yuden sales office with detailed design and performance requirements.



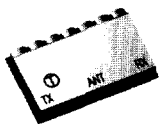
Dimensions in. (mm)		
L	W	H
0.189 (4.8)	0.161 (4.1)	0.087 (2.2)

NOTE:
Zo=50 Ω Impedance



Dimensions in. (mm)		
L	W	H
0.236 (6.0)	0.161 (4.1)	0.087 (2.2)

NOTE:
Zo=50 Ω Impedance



Dimensions in. (mm)		
L	W	H
0.787 (20.0)	0.551 (14.0)	0.157 (4.0)

NOTE: Zo=50 Ω Impedance



Dimensions in. (mm)		
L	W	H
0.906 (23.0)	0.551 (14.0)	0.157max. (4.0 max.)

NOTE:
Zo=50 Ω Impedance

DIELECTRIC FILTER – KGB2AA1907W024A0A

Parameter	Conditions	Min.	Typical	Max	Unit
Center Frequency	—	—	1907	—	MHz
Pass Band Width	at fo	-12	—	+12	MHz
Insertion Loss	at Bw=(1895~1919MHz)	—	—	1	dB
Ripple	at Bw	—	—	0.3	dB
V.S.W.R	at Bw	—	—	1.8	—
Attenuation	at 1407~1452MHz	25	—	—	dB
	at 1651~1685MHz	15	—	—	dB
	at 2128~2152MHz	8	—	—	dB
	at 3790~3836MHz	15	—	—	dB

DIELECTRIC FILTER – KGB2AA1489W024A0B

Parameter	Conditions	Min.	Typical	Max	Unit
Center Frequency	—	—	1489	—	MHz
Pass Band Width	at fo	1477	—	1501	MHz
Insertion Loss	at 1477~1501MHz 0~+30°C -20~+70°C	—	0.58	0.7	dB
Ripple	at 1477~1501MHz	—	—	0.5	dB
V.S.W.R	at 1477~1501MHz	—	—	1.43	—
Attenuation	at 1217~1241MHz	35	37.5	—	dB
	at 1347~1371MHz	8	9.1	—	dB

DIELECTRIC DUPLEXER – CFU6BA09020947DA

Parameter	Conditions	Min.	Typical	Max	Unit
Center Frequency	Tx → Ant;	—	902.5	—	MHz
Pass Band Width	Tx → Ant; at fr	-12.5	—	+12.5	MHz
Insertion Loss	Tx → Ant; at Bwr=(890~915MHz), +25°C	—	—	1.4	dB
	Tx → Ant; at Bwr=(890~915MHz), -20~+35°C	—	—	1.6	dB
Ripple	Tx → Ant; at Bwr	—	—	1.0	dB
V.S.W.R	Tx → Ant; at Bwr	—	—	1.8	—
Attenuation	Tx → Ant; at 925~935MHz	8	—	—	dB
	Tx → Ant; at 935~960MHz	15	—	—	dB
Center Frequency	Ant → Rx	—	947.5	—	MHz
Pass Band Width	Ant → Rx; at fr	-12.5	—	+12.5	MHz
Insertion Loss	Ant → Rx; at Bwr=(935~960MHz), +25°C	—	—	3.0	dB
	Ant → Rx; at Bwr=(935~960MHz), -20~+35°C	—	—	3.2	dB
Ripple	Ant → Rx; at Bwr	—	—	1.2	dB
V.S.W.R	Ant → Rx; at Bwr	—	—	1.8	—
Attenuation	Ant → Rx; at 890~915MHz	25	—	—	dB
	Ant → Rx; at 890~1050MHz	30	—	—	dB

DIELECTRIC DUPLEXER – CFU7BA08360881HA

Parameter	Conditions	Min.	Typical	Max	Unit
Center Frequency	Tx → Ant;	—	836.5	—	MHz
Pass Band Width	Tx → Ant; at fr	-12.5	—	+12.5	MHz
Insertion Loss	Tx → Ant; at Bwr=(824~849MHz), +10~+35°C	—	—	2.6	dB
	Tx → Ant; at Bwr -30~+85°C	—	—	2.8	dB
Ripple	Tx → Ant; at Bwr	—	—	1.9	dB
V.S.W.R	Tx → Ant; at Bwr	—	—	1.7	—
Attenuation	Tx → Ant; at 869~894MHz	43	—	—	dB
Center Frequency	Ant → Rx	—	881.5	—	MHz
Pass Band Width	Ant → Rx; at fr	-12.5	—	+12.5	MHz
Insertion Loss	Ant → Rx; at Bwr=(869~894MHz), +10~+35°C	—	—	3.7	dB
	Ant → Rx; at Bwr -30~+85°C	—	—	4.0	dB
Ripple	Ant → Rx; at Bwr	—	—	1.3	dB
V.S.W.R	Ant → Rx; at Bwr	—	—	1.8	—
Attenuation	Ant → Rx; at 824~849MHz	50	—	—	dB