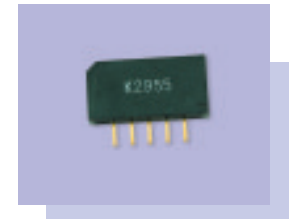
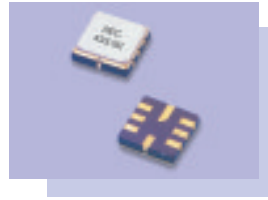


Features

- ★ Low insertion loss
- ★ High load Q
- ★ Superior temperature stability
- ★ High frequency stability
- ★ Few peripheral components

Applications

- ★ Wireless remote-control
- ★ Satellite program receiver
- ★ RF modulator
- ★ Security system
- ★ Consumer electronics



S.A.W. filter for Pager

Item	Unit	SF139	SF147	SF155	SF163	SF171	SF281	SF930
Center Frequency	MHz	139.0	147.0	155.0	163.0	171.0	281.0	930.5
-3dB Bandwidth	MHz	±4.0	±4.0	±4.0	±4.0	±4.0	±3.0	±2.0
Insertion Loss	db							
fc-100MHz to fc-38.8 MHz	db	50min	50min	50min	50min	50min	50min	50min
fc±4.0MHz	db	6.5max	6.5max	6.5max	6.5max	6.5max	50min	50min
fc±3.0MHz	db	6.5max	6.5max	6.5max	6.5max	6.5max	4.5max	50min
fc±2.0MHz	db	6.5max	6.5max	6.5max	6.5max	6.5max	4.5max	4.5min
fc±38.8 to fc+100MHz	db	50min	50min	50min	50min	50min	50min	50min
fc±38.8 MHz to fc x 2.5	db	42min	42min	42min	42min	42min	42min	42min
Input/Output Impedance	(Ω//pF)	210//13.3	210//+12.12	210//12.3	210//11.0	210//10.9	150//0.0	50//5.0
Package		F-11						

S.A.W. filter for Wireless Communication

Part Number	Center Frequency (MHz)	Band Width (MHz)	Insertion Loss (db)	Package
SF 400	400.00	6	< 3.5	TO39, F11
SF 429.3	429.3	6	< 3.5	
SF 465A	465.00	6	< 3.5	
SF 465B	465.00	6	< 3.5	
SF 841	841.00	15	< 3.5	
SF 886	886.00	15	< 3.5	
SF 868.35	868.35	15	< 3.5	
SF 930	930.00	15	< 3.5	
SF 936	936.00	15	< 3.5	

S.A.W. filter for Cellular Telephone

Part Number	Center Frequency (MHz)	Band Width (MHz)	Insertion Loss (db)	Applications	Package
SF 902.5	902.5	25	2.2	GSM	SMD type : DCC6C
SF 942.5-1	942.5	35	2.2	PDC/EGSM	
SF 942.5-2	942.5	35	3.4	PDC/EGSM	
SF 942.5-3	942.5	35	3.2	PDC/EGSM	
SF 947.5	947.5	25	2.9	GSM	
SF 836.5	836.5	25	2.2	CDMA/AMPS	
SF 881.5	881.5	25	2.2	CDMA/AMPS	
SF 1842.5	1842.5	75	2.5	PCS	

IF S.A.W. filter for Cellular Telephone

Part Number	Center Frequency (MHz)	-3dB Band Width (MHz)	Insertion Loss (db)	Applications	Package
SF 400.0	400	± 83	4.0	GSM	SMD type : QCC8C
SF 360.0	360	315	4.3	GSM	
SF 282.0	282	± 65	3.5	GSM	
SF 246.0	246	± 80	6.0	GSM	

IF S.A.W. filter for Cellular Telephone

Part Number	Center Frequency (MHz)	-3dB Band Width (MHz)	Insertion Loss (db)	Applications	Package
SF 480-1	480	18	21	One-Channel	Lead Type : TO-39 F-11
SF 480-2	480	27.5	22.5	Satellite Program	
SF 480-3	480	36	22.5	Receiver Filter	
SF 480-4	480	27.5	22.5	For DSB System	
SF 480-5	479.5	15/27	21.8/22	Two-Channel	SMD Type : QCC8C
SF 480-6	479.5	18/27	22/22.5	Satellite Program	
SF 480-7	479.5	27/36	24.5/23.6	Receiver Filter	
SF 480-8	480	26.8/53.6	22/27.5	For DSB System	

S.A.W. filter for FRS & PMR

Part Number	Center Frequency (MHz)	Bandwidth (MHz)	Insertion Loss (dB)	Stop-band Attenuation (dB)	I/O Impedance		Package
					A type	B type	
SF 410	410	Fo±2.0	4.5Max	5.0 Min	50Ω/0pF	150Ω/0pF	Lead Type : F11 SMD type : QCC8C
SF 418	418	Fo±2.0	4.5Max	5.0 Min	50Ω/0pF	150Ω/0pF	
SF 422	422	Fo±2.0	4.5Max	5.0 Min	50Ω/0pF	150Ω/0pF	
SF 424	424	Fo±2.0	4.5Max	5.0 Min	50Ω/0pF	150Ω/0pF	
SF 446	446	Fo±2.0	4.5Max	5.0 Min	50Ω/0pF	150Ω/0pF	
SF 465	465	Fo±2.0	4.5Max	5.0 Min	50Ω/0pF	150Ω/0pF	
SF 480	480	Fo±2.0	4.5Max	5.0 Min	50Ω/0pF	150Ω/0pF	
SF 526	526	Fo±2.0	4.5Max	5.0 Min	50Ω/0pF	150Ω/0pF	

S.A.W. filter for Wireless LAN and Blue-tooth

Part Number	Center Frequency (MHz)	-1.5dB Bandwidth (MHz)	Insertion Loss (db)	Package
SF 110	110	4.0	6.8	Lead Type : F 11
SF 240	240	10.0	14.0	
SF 260	260	1.1	8.5	
SF 280	280	19.8	7.0	
SF 325	325	2.0	13.0	
SF 352	352	5.6	2.0	SMD Type : QCC8C
SF 371	371	2.0	10.5	
SF 374	374	22.0	9.0	
SF 1240	1240	20.0	2.9	

S.A.W. filter for Cordless telephone

Part Number	Center Frequency (MHz)	1.5dB Bandwidth (MHz)	Insertion Loss (db)	Package
SF 422	422.18	12	2.5	Lead Type : F 11
SF 434	433.91	12.3	2.5	
SF 465	465.14	10.9	2.5	
SF 886	886	10.2	3.0	
SF 914	914.5	10.3	2.7	
SF 915	915	32	2.5	SMD Type : DCC6 QCC8C
SF 926	926.25	11.3	3.5	
SF 931	931	9.4	3.0	
SF 959	959.5	10.2	2.8	

S.A.W. filter for other Applications

Part Number	Center Frequency (MHz)	-3dB Bandwidth (MHz)	Insertion Loss (db)	Package
SF 250A	250	6	< 3.5	Lead Type : F 11
SF 265A	265	6	< 3.5	
SF 384	384	6	< 3.5	
SF 620	620	10	< 3.5	
SF 868	868.35	10	< 3.5	
SF 886	886	15	< 3.5	
SF 746	746	10	< 3.5	
SF 916.5	916.5	10	< 3.5	
SF 841	841	15	< 3.5	

S.A.W. Duplexer For Cordless

Part Number	Center Frequency (MHz)	-3dB Band Width (MHz)	Insertion Loss (db)	Package
SDF 26/41	26.40/41.40	8.5/5.0	40	W1
SDF 31/40	31.175/40.075	6.0/5.0	40	W3
SDF 40/49	40.68/49.86	4.5/4.5	40	W3
SDF 45/48	45.24/48.24	6.0/6.0	40	W2
SDF 46/49	46.79/49.83	4.0/4.0	40	TO-39B
SDF 886/931	886/931	3.6/3.6	40	TO-39B
SDF 903/926	903.75/926.25	3.5/3.5	40	QCC8C
SDF 914/959	914.5/959.5	3.0/3.0	40	QCC8B

Bandpass Filter For Digital TV, Digital Radio and VOD

Part Number	Center Frequency (MHz)	Band Width (MHz)	Standard	Package
SBF 23A1D	23.4	1.8	DAB	SIP5D
SBF 36A2D	36.0	8.1	Dig. terrestrial TV	SIP5D
SBF 36A4M		8.0	Dig. CATV	SIP5K
SBF 36A1D	36.125	8.0	Dig. CATV	SIP5D
SBF 36A1M		8.0	Dig. CATV	SIP5K
SBF 37A1M	37.00	6.0	DAB	SIP5K
SBF 389A1M	38.912	1.5	DAB	SIP5K
SBF 41A1M	41.25	0.9	Dig. CATV	SIP5K
SBF 42A1M	42.00	6.0	Dig. CATV	SIP5K
SBF 43A4M	43.75	43.00	Dig. CATV	SIP5K
SBF 43A1D		6.2	Dig. CATV	SIP5D
SBF 43A1M		6.0	Dig. CATV	SIP5K
SBF 43A2D		6.0	Dig. CATV	SIP5D
SBF 44A1D	44.00	6.0	Dig. CATV	SIP5D
SBF 44A1M		6.0	Dig. CATV	SIP5K
SBF 44A2D		6.2	Dig. CATV	SIP5D
SBF 44A3M		1.8 , 1.1	DVB_DAVIC	SIP5K
SBF 44A5M		1.7	Interactive TV	SIP5K
SBF 44A6M		8.0	Dig. CATV	SIP5K
SBF 46A1M		46.59	6.0	Dig. CATV
SBF 49A1M	49.125	0.72	DAB	SIP5K
SBF 54A1M	54.0	6.0	Dig. CATV	SIP5K
SBF 70A1M		1.0	Dig. CATV	SIP5K
SBF 70A2M	70.0	10.4	Dig. SAT-TV	SIP5K
SBF 9019	1090	± 6	Digital Television	QCC8B
SBF 9001	1220	± 4	Digital Television	QCC8B

Ordering Code

Ordering Code	Part Number + Package
Example	SF418 - QCC8C
	SDF886 - TO39B
	SBF-37A1M-SIP5K

Dimension for S.A.W. Filter

Dimension (Unit : mm)

