

Source	Filter / SDR	Type	Markings	Manufacturer	MFR Loss	Mfr Bandwidth	Lothar Measured Loss	Notes
Lothar	Radar Box Green SDR	SAW	(T) EY 1.09	Taisaw?	UNK	UNK	NA	Can't find PN in Taisaw data
Lothar	Radar Box Filter	SAW	(T) EK 1.09	Taisaw?	UNK	UNK	4.2	Can't find PN in Taisaw data
Lothar	Lothar 4 Pole Cavity	Cavity	FIL1087-1093	Shhh! Secret!	0.9	6 MHz	0.9	\$63 in USA + Postage
Lothar	ADSBEX Blue SDR	SAW	(T)AS970	Taisaw	3	30 MHz	NA	
Lothar	ADSBX Blue Filter	SAW	(T)ER 1.09	Taisaw?	UNK	UNK	3	Can't find PN in Taisaw data
Jon Adams	Custom 4 pole Cavity	Cavity	NA	Unknown	<1	8 MHz	JA Measured .9	Lothar Specs based on this unit
Fatal	Old Green Case ADSBEX	SAW	(T)EK 1.09	Taisaw?	UNK	UNK	NA	Can't find PN in Taisaw data
Skymaster	Blue Chinese SDR AliExpress	SAW	(T)EM 1.09	Taisaw?	UNK	30 MHz	NA	Can't find PN in Taisaw data
Sitting Duc	Generic Chinese SDR	SAW	(T)EM 1.09	Taisaw?	UNK	UNK	NA	Can't find PN in Taisaw data
Sitting Duc	Generic Chinese SDR	SAW	(T)ER 1.09	Taisaw?	UNK	UNK	NA	Can't find PN in Taisaw data
Sitting Duc	Generic Chinese SDR	SAW	(T)EC 1.09	Taisaw?	UNK	UNK	NA	Can't find PN in Taisaw data
Flight Aware	FA 1090 Blue tube (2019 and later)	LC	BPF-1080-1100		2.5	20 MHz	NA	LC Confirmed on You Tube dissection
Flight Aware	FA 1090 / 978 Blue tube	LC	BPF-980-1150		UNK	170 MHz	NA	LC Confirmed on You Tube dissection
Flight Aware	FA Blue Pro Stick Plus SDR	SAW	(T)AN970	Taisaw?	2.3	30 MHz	NA	Can't find PN in Taisaw data. 2.3 claimed loss is suspect.
Pjalchemist	FA Blue Pro Stick Plus SDR	SAW	(T)AY970	Taisaw?	UNK	UNK	NA	Can't find PN in Taisaw data
Sysmocom	4 Pole 1090 Filter	Cavity	cf1090-kt30 v1	??	1	8 MHz	NA	\$100 in the USA
GPIO Labs	ADS-B Bandpass Filter	SAW	Fc 1090	??	3	30 MHz	NA	
Jetvision	3 Pole 1090 filter	Cavity	71010		0.5	9 MHz	NA	\$200 in the USA

Taisaw Catalog 2023

RF SAW Filters

Home > Products

P/N	Center Frequency (MHz)	Pass Band (MHz)	Insertion Loss (d B Max)	Package (mm)	Application
TA0232A	1090	12	5.3dB	3.8x3.8x1.1	Cable Modem
TA0970B	1090	30	3.5	3.8x3.8x1.5	Satellite TV
TA1090EC	1090	30	3.0	3.8x3.8x1.5	Wireless Communication
TA0691A	1090	12	5.3	3.8x3.8x1.7	Wireless Communication
TA0970A	1090	30	3.0	3.8x3.8x1.4	Pager
TA1992A	1090	10	4	3.0x3.0x1.4	Pager
TA2003A	1090	6	4	3.0x3.0x1.4	Pager
TA2540A	1090	2	4.0	3.0x3.0x1.4	Pager

Used in Chinese product found on Alibaba

Used in ADSBEX Blue SDR

Sawtron Catalog 2023

STA2540A	1090	2	4.0	3.0x3.0x1.4
STA2003A	1090	6	4.0	3.0x3.0x1.4
SF1090F1	1090	8	4	3.0x3.0x1.4
STA1992A	1090	10	4.0	3.0x3.0x1.4
STA0232A	1090	12	5.3	3.8x3.8x1.1
STA0691A	1090	12	5.3	3.8x3.8x1.7
STA0970A	1090	30	3.0	3.8x3.8x1.4
SF1090300A1	1090	30	3.5	3.8x3.8x1.5
STA0970B	1090	30	3.5	3.8x3.8x1.5

Microchip Catalog 2023

TFS1090F-SAW-Filter 1090

1090 14 3.5 3.0x3.0

Spectrum Control 2023 catalog

SF1090BA03241S

1090 20 2.8 3.0x3.0

Qorvo

880374

1090 22 3 3.76x2.62

Transko 2023 catalog

Freq. >= 1000MHz								
Fo [MHz]	Part Number	Band Width [MHz]	Insertion Loss Typ.[dB]	Passband Ripple Typ.[dB]	Impedance [ohm/pF]	Application	Package	Remarks
1087	TF-108701-S22	±5.0	3	0.7	50	RF Module	3.0 x 3.0	NRND
1090	TA1090AP1	±6.0	3.9	0.6	50	Multimedia	3.8 x 3.8	NRND
	TA1090BP1	±6.0	3.9	0.6	50	Multimedia	3.8 x 3.8	NRND
	TA1090DP	±6.0	3.2	1	50	Multimedia	3.8 x 3.8	NRND
	TA1090CM	±10.0	0.9	0.3	50	RF Module	3.0 x 3.0	NRND
	TA1090HP	±15.0	1.5	0.15	50	RF Module	3.8 x 3.8	NRND
	TA1090JP1	±6.0	3.8	0.75	50	RF Module	3.8 x 3.8	NRND