



SAW Components

Data Sheet B3580

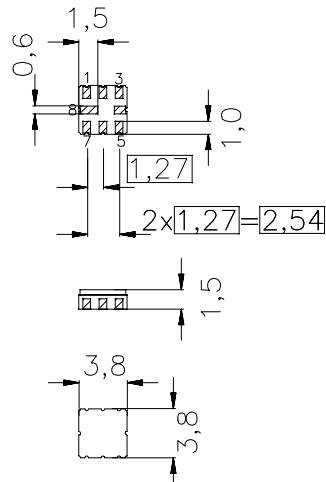
Data Sheet

SAW Components
B3580
Low Loss Filter
433,92 MHz
Data Sheet
Features

- RF low-loss filter for remote control receivers
- Package for Surface Mounted Technology (SMT)
- Hermetically sealed ceramic package
- No matching network required for operation at 50 Ω

Terminals

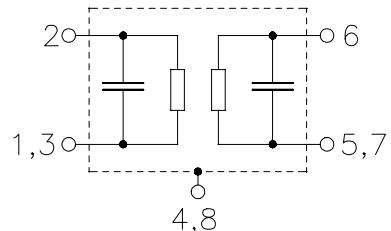
- Ni, gold plated

Ceramic package QCC8B


Dimensions in mm, approx. weight 0,07 g

Pin configuration

2	Input
1,3	Input Ground
6	Output
5,7	Output Ground
4,8	to be grounded



Type	Ordering code	Marking and Package according to	Packing according to
B3580	B39431-B3580-Z810	C61157-A7-A46	F61074-V8037-Z000

Electrostatic Sensitive Device (ESD)
Maximum ratings

Operable temperature range	T	-40/+85	°C	
Storage temperature range	T_{stg}	-45/+90	°C	
DC voltage	V_{DC}	0	V	
Source power	P_S	10	dBm	source impedance 50 Ω

**SAW Components****B3580****Low Loss Filter****433,92 MHz****Data Sheet****Characteristics**Operating temperature range: $T = -40^{\circ}\text{C}$ to 85°C Terminating source impedance: $Z_S = 50 \Omega$ Terminating load impedance: $Z_L = 50 \Omega$

		min.	typ.	max.	
Center frequency	f_c	—	433,92	—	MHz
Maximum insertion attenuation	α_{\max}	—	2,8	3,8	dB
	433,00 ... 434,71 MHz	—	—	—	—
Amplitude ripple (p-p)	$\Delta\alpha$	—	0,3	1,0	dB
	433,00 ... 434,71 MHz	—	—	—	—
Relative attenuation (relative to α_{\max})	α_{rel}	60	65	—	dB
	10,00 ... 350,00 MHz	52	57	—	dB
	350,00 ... 393,00 MHz	42	47	—	dB
	393,00 ... 408,00 MHz	52	57	—	dB
	408,00 ... 415,00 MHz	37	45	—	dB
	415,00 ... 425,50 MHz	12	16	—	dB
	443,50 ... 454,00 MHz	34	39	—	dB
	454,00 ... 475,00 MHz	50	55	—	dB
	475,00 ... 650,00 MHz	45	49	—	dB
	650,00 ... 1000,00 MHz	—	—	—	—
Temperature coefficient of frequency	TC_f	—	-30	—	ppm/K

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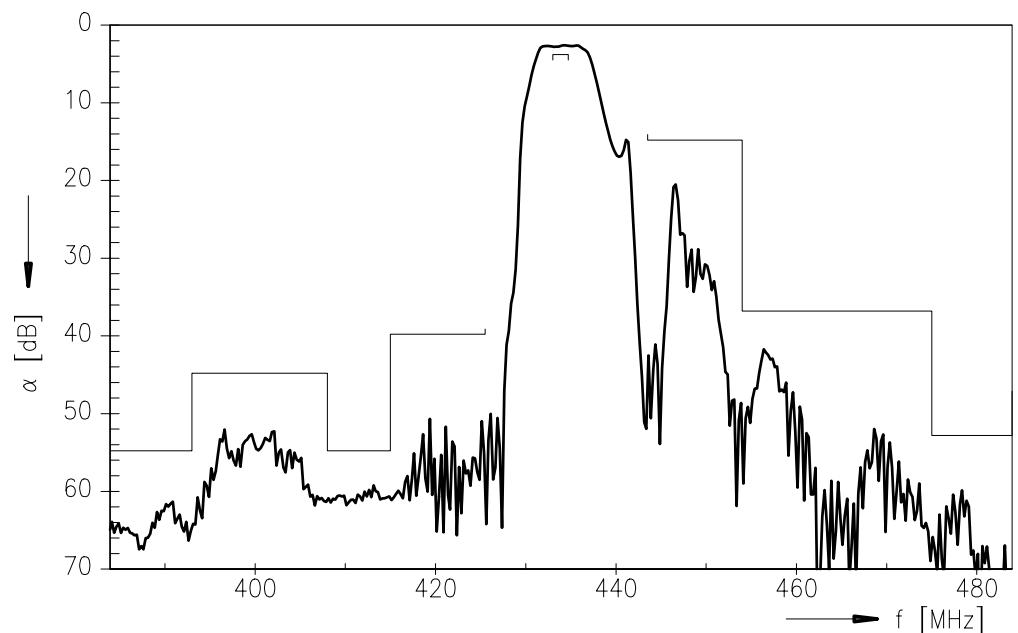
B3580

Low Loss Filter

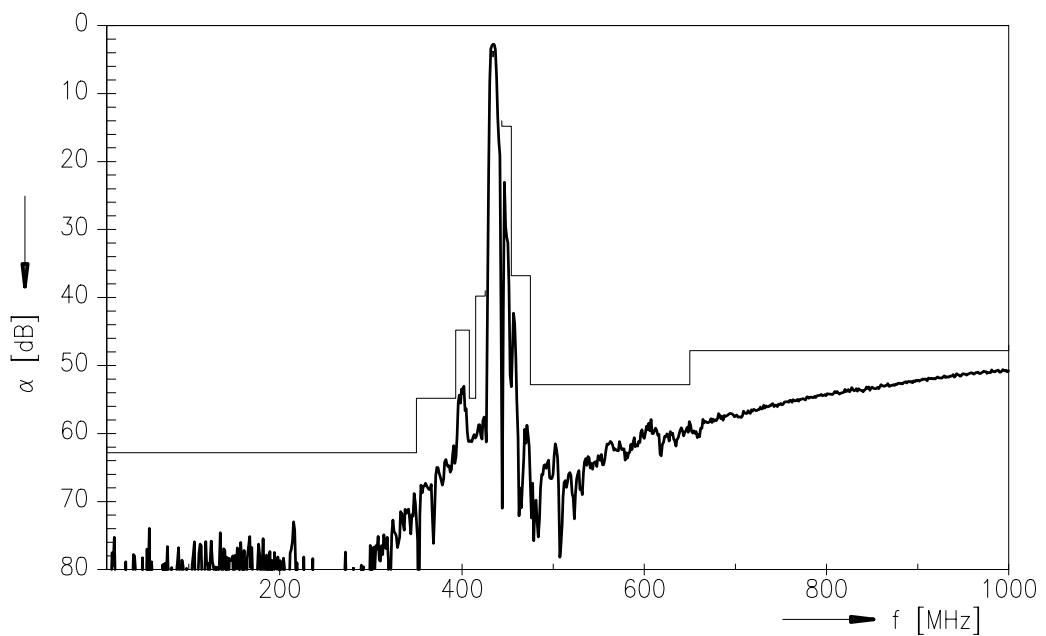
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Transfer function



Transfer function (wideband)





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Surface Acoustic Wave Components Division, SAW CE AE PD

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