

Excellent Integrated System Limited

Stocking Distributor

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[EPCOS \(TDK\)](#)
[B39431B3580Z810W3](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



SAW Components

Data Sheet B3580

Data Sheet

A large, stylized graphic of a globe is shown, with the word "EPCOS" overlaid in large, glowing, three-dimensional letters. The globe is rendered in shades of gray and white, with a grid of latitude and longitude lines. The letters "EPCOS" are white with a glowing effect, making them stand out against the globe background.



SAW Components

B3580

Low Loss Filter

433,92 MHz

Data Sheet

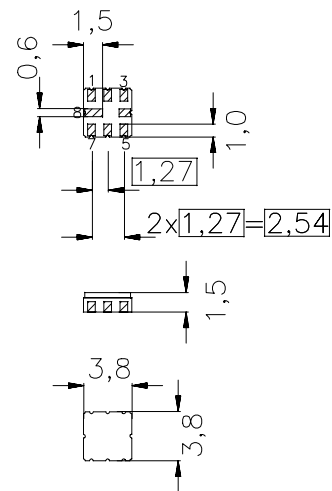
Features

- RF low-loss filter for remote control receivers
- Package for **S**urface **M**ounted **T**echnology (**SMT**)
- Hermetically sealed ceramic package
- No matching network required for operation at 50 Ω

Terminals

- Ni, gold plated

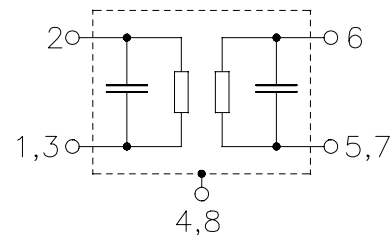
Ceramic package **QCC8B**



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	$^{\circ}\text{C}$	
Storage temperature range	T_{stg}	-45/+90	$^{\circ}\text{C}$	
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}				
433,00 ... 434,71 MHz		—	2,8	3,8	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
433,00 ... 434,71 MHz		—	0,3	1,0	dB
Relative attenuation (relative to α_{\max})	α_{rel}				
10,00 ... 350,00 MHz		60	65	—	dB
350,00 ... 393,00 MHz		52	57	—	dB
393,00 ... 408,00 MHz		42	47	—	dB
408,00 ... 415,00 MHz		52	57	—	dB
415,00 ... 425,50 MHz		37	45	—	dB
443,50 ... 454,00 MHz		12	16	—	dB
454,00 ... 475,00 MHz		34	39	—	dB
475,00 ... 650,00 MHz		50	55	—	dB
650,00 ... 1000,00 MHz		45	49	—	dB
Temperature coefficient of frequency	TC_f	—	-30	—	ppm/K



SAW Components

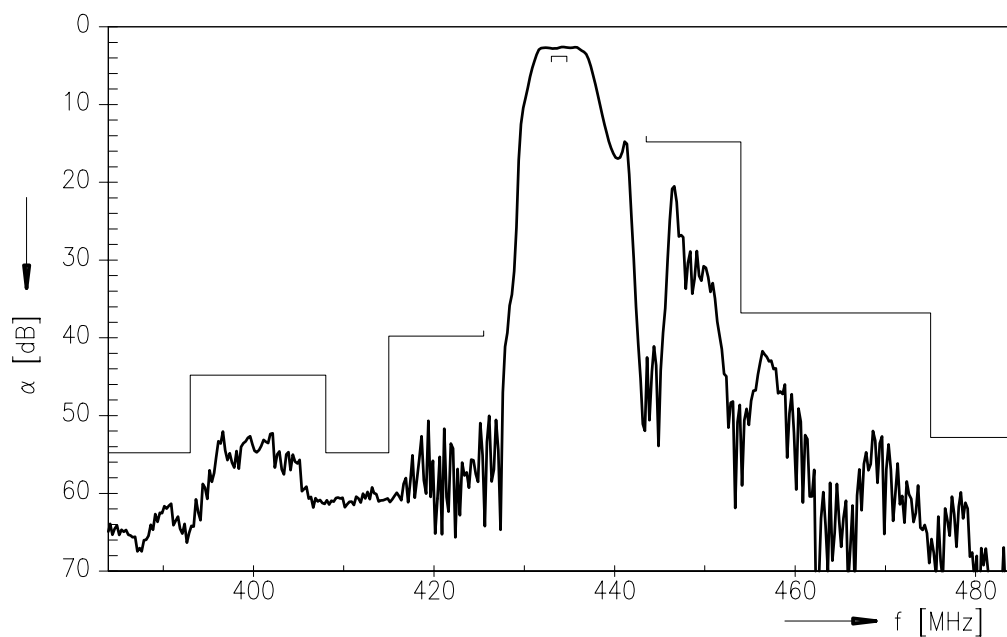
B3580

Low Loss Filter

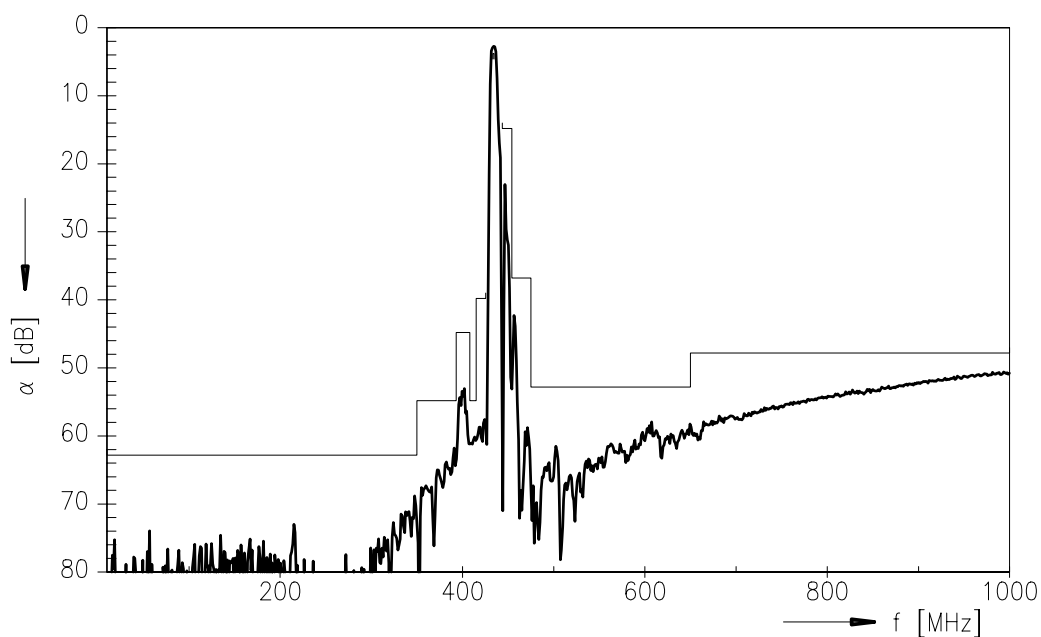
433,92 MHz

Data Sheet

Transfer function



Transfer function (wideband)





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