

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[EPCOS \(TDK\)](#)
[B39440X7351P200](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



SAW Components

Data Sheet X 7351 P

Data Sheet

A large, stylized graphic of the EPCOS logo is superimposed on a grayscale globe. The globe shows continents and is partially obscured by the logo's elements. The word "EPCOS" is written in large, white, sans-serif letters across the bottom of the globe.



SAW Components	X 7351 P
Bandpass Filter	44,00 MHz
Data Sheet	

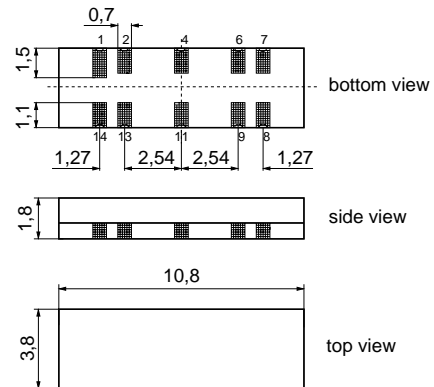
Polymer package **DOC14A**

Features

- Constant group delay
- **Surface Mounted Technology (SMT)**
- Unbalanced input option

Terminals

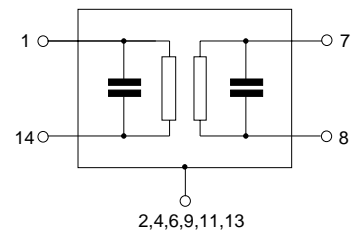
- Gold plated



Dimensions in mm, approx. weight 0,14 g

Pin configuration

- 1 Input
- 14 Input
- 4,9,11,13 Case – ground
- 2,6 Ground
- 7 Output
- 8 Output



Type	Ordering code	Marking and package according to	Packing according to
X 7351 P	B39440-X7351-P200	C61157-A5-A1	F61074-V8188-Z000

Maximum ratings

Operable temperature range	T_A	-25/+65	°C	
Storage temperature range	T_{stg}	-40/+85	°C	
DC voltage	V_{DC}	0	V	between any terminals
AC voltage	V_{pp}	10	V	between any terminals



SAW Components	X 7351 P
Bandpass Filter	44,00 MHz

Data Sheet



Characteristics

Reference temperature: $T_A = 25 (45) \text{ }^\circ\text{C}$
 Terminating source impedance: $Z_S = 50 \text{ } \Omega$
 Terminating load impedance: $Z_L = 2\text{k}\Omega \parallel 3\text{pF}$

		min.	typ.	max.	
Center frequency (center between 10 dB points)	f_C	—	(44,00)	—	MHz
Insertion attenuation Reference level for the following data	α 44,06 (44,00) MHz	12,9	14,4	15,9	dB
Pass bandwidth $\alpha_{\text{rel}} \leq 3 \text{ dB}$	$B_{3\text{dB}}$	—	6,0	—	MHz
$\alpha_{\text{rel}} \leq 30 \text{ dB}$	$B_{30\text{dB}}$	—	7,7	—	MHz
Amplitude ripple (p-p) 41,53 ... 46,59MHz	$\Delta\alpha$	—	0,7	—	dB
Relative attenuation 41,53 (41,47)MHz	α_{rel}	—	0,2	—	dB
46,59 (46,53)MHz		—	0,4	—	dB
41,06 (41,00)MHz		1,9	2,9	3,9	dB
47,06 (47,00)MHz		1,8	2,8	3,8	dB
47,31 (47,25)MHz		—	6,0	—	dB
39,81 (39,75)MHz		36,0	42,0	—	dB
Lower sidelobe 35,06 ... 38,56(35,00 ... 38,50)MHz		40,0	46,0	—	dB
38,56 ... 40,06(38,50 ... 40,00)MHz		35,0	40,0	—	dB
Upper sidelobe 48,06 ... 50,06(48,00 ... 50,00)MHz		34,0	39,0	—	dB
50,06 ... 55,06(50,00 ... 55,00)MHz		40,0	44,0	—	dB
Reflected wave signal suppression 1,2 μs ... 6,0 μs after main pulse (test pulse 250 ns, carrier frequency 44,06 MHz)		42,0	50,0	—	dB
Group delay ripple (p-p) 41,53 ... 46,59MHz	$\Delta\tau$	—	50	—	ns
Impedance at 44,06 MHz Input: $Z_{\text{IN}} = R_{\text{IN}} \parallel C_{\text{IN}}$		—	1,5 11,6	—	k Ω pF
Output: $Z_{\text{OUT}} = R_{\text{OUT}} \parallel C_{\text{OUT}}$		—	1,4 4,3	—	k Ω pF
Temperature coefficient of frequency	TC_f	—	-72	—	ppm/K

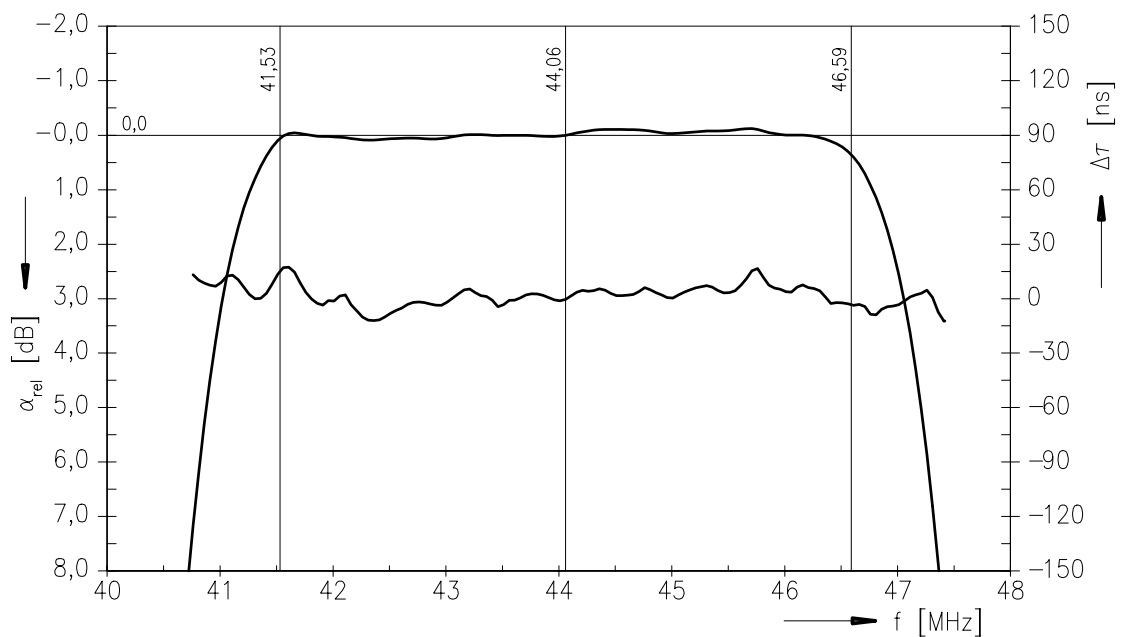
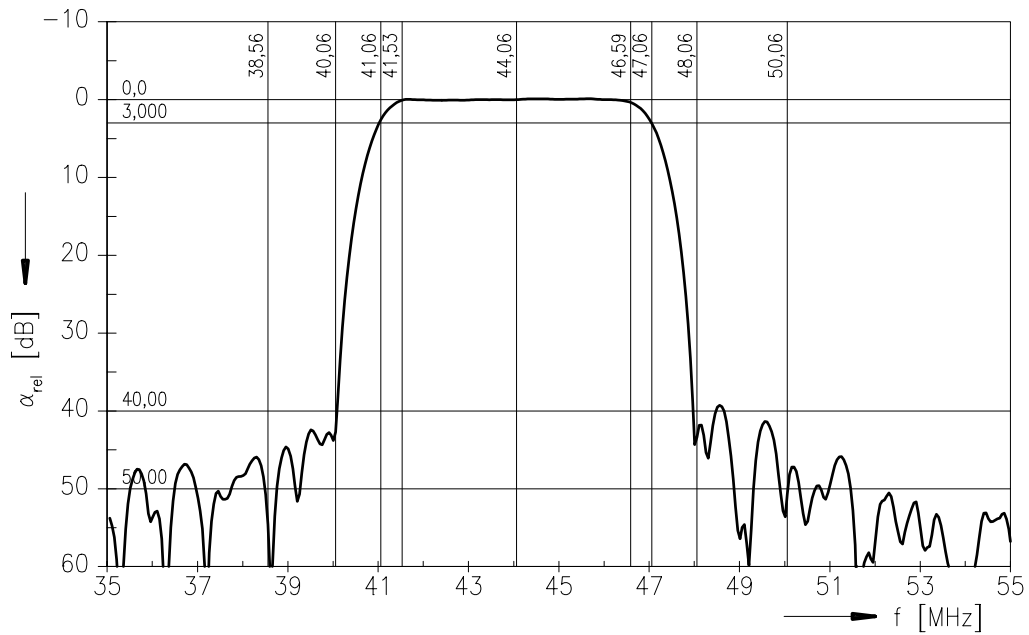


SAW Components	X 7351 P
Bandpass Filter	44,00 MHz

Data Sheet



Frequency response



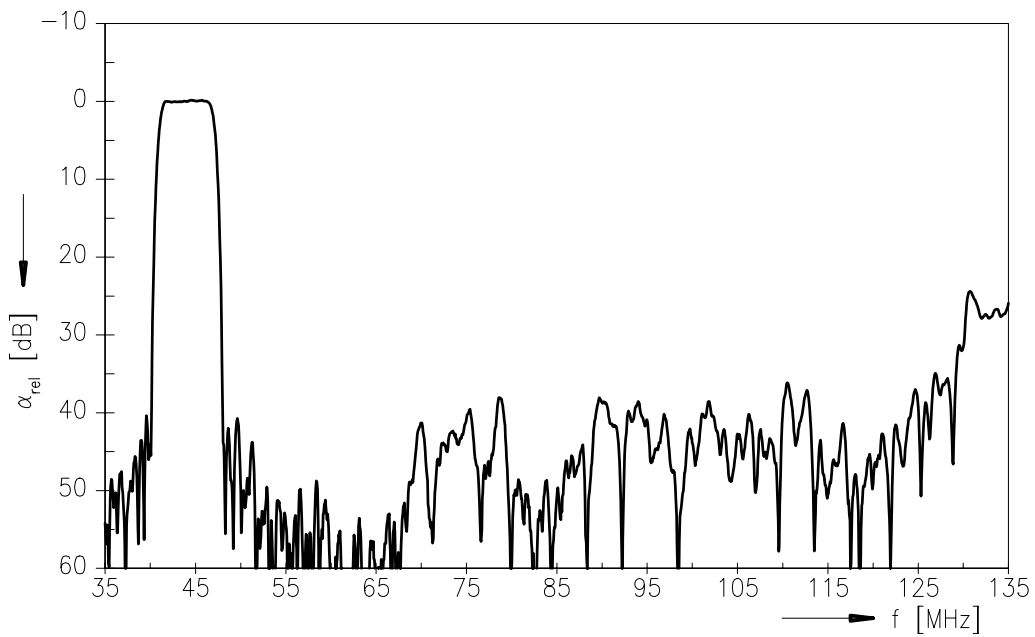


SAW Components	X 7351 P
Bandpass Filter	44,00 MHz

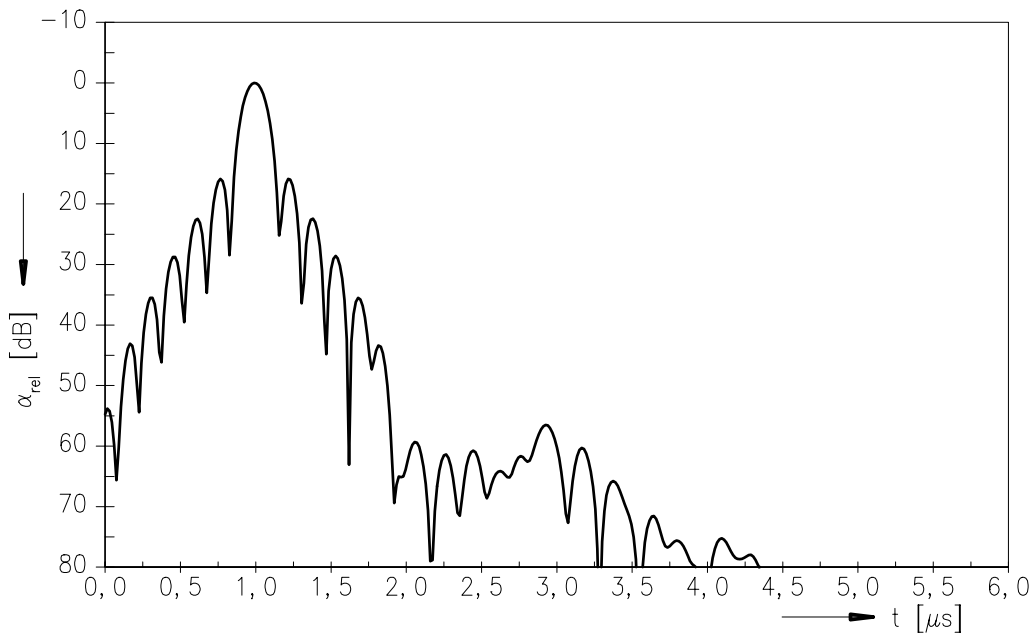
Data Sheet



Frequency response



Time domain response





SAW Components	X 7351 P
Bandpass Filter	44,00 MHz
Data Sheet	

Published by EPCOS AG
Surface Acoustic Wave Components Division, SAW CE MM PD
P.O. Box 80 17 09, D-81617 München

© EPCOS AG 2004. Reproduction, publication and dissemination of this brochure and the information contained therein without EPCOS' prior express consent is prohibited.

Purchase orders are subject to the General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry recommended by the ZVEI (German Electrical and Electronic Manufacturers' Association), unless otherwise agreed.

This brochure replaces the previous edition.

For questions on technology, prices and delivery please contact the Sales Offices of EPCOS AG or the international Representatives.

Due to technical requirements components may contain dangerous substances. For information on the type in question please also contact one of our Sales Offices.