查询B39850-B4943-U910供应商

捷多邦,专业PCB打样工厂,24小时加急出货

SAW Components

EPCOS

Data Sheet B4943

Data Sheet



SAW Components	B4943
Low-Loss Filter for Mobile Communication	85,38 MHz

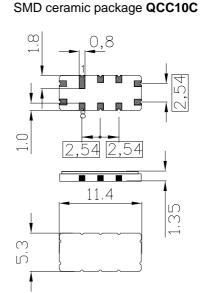
Data Sheet

Features

- IF filter for mobile telephone
- Channel selection in CDMA systems
- Balanced or unbalanced operation possible
- High rejection, small size
- Low amplitude ripple
- Filter surface passivated
- Package for Surface Mounted Technology (SMT)

Terminals

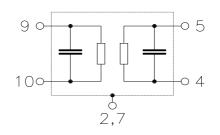
Ni, gold plated



Dimensions in mm, approx. weight 0,24 g

Pin configuration

10 Input 9 Balanced input or input ground 5 Output 4 Balanced output or output ground 2, 7 Case ground 1, 3, 6, 8 Not connected



Туре	Ordering code	Marking and Package	Packing	
		according to	according to	
B4943	B39850-B4943-U910	C61157-A7-A73	F61074-V8105-Z000	

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	Т	- 40/+ 85	°C
Storage temperature range	T _{stg}	- 40/+ 85	°C
DC voltage	V _{DC}	13	V
Source power	Ps	10	dBm

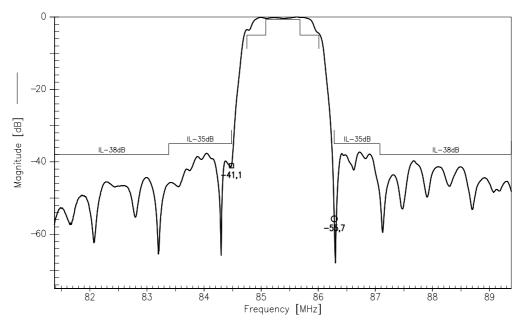
2



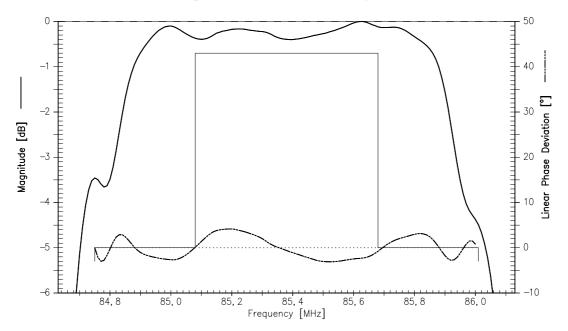
SAW Components				B4943
Low-Loss Filter for Mobile Communication			85,	38 MHz
Data Sheet				
Characteristics				
Operating temperature range: $T = -35^\circ$ Terminating source impedance: $Z_{\rm S} = 197^\circ$ Terminating load impedance: $Z_{\rm I} = 160^\circ$	5 Ω 340 n	Н		
	min.	typ.	max.	
Nominal frequency f _N		85,38		MHz
$\begin{array}{l} \mbox{Minimum insertion attenuation} & \alpha_{min} \\ \mbox{(including loss in matching network without loss in balun)} \end{array}$	_	10,0	11,5	dB
Amplitude ripple $\Delta \alpha$ $f_{\rm N} = 0.3$ MHz $f_{\rm N} + 0.3$ MHz	_	0,5	0,8	dB
Phase linearity (rms deviation) $f_N = 0.63$ MHz $f_N = 0.63$ MHz	_	2,5	3,5	o
Relative attenuation (relative to α_{min}) α_{rel} $f_{N} \pm 0.63$ MHz	_	4,0	5,0	dB
$\begin{array}{llllllllllllllllllllllllllllllllllll$	35 35 38 38 35 35 35 38	41 55 39 44 		dB dB dB dB dB dB dB dB

EPCOS			
SAW Components		B4943	
Low-Loss Filter for Mobile Communication		85,38 MHz	
Data Sheet			

Normalized transfer function (balanced/balanced)



Normalized transfer function (passband, balanced/balanced):

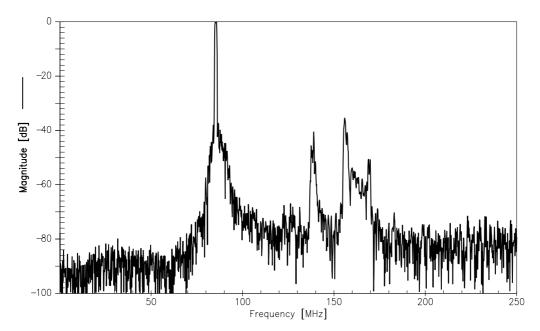


Δ

Â	
EPCOS	

SAW Components		B4943
Low-Loss Filter for Mo	bile Communication	85,38 MHz
Data Sheet	SMD	

Normalized transfer function (wideband, balanced/balanced)

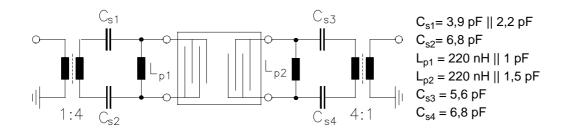


^
EPCOS

SAW Components		B4943
Low-Loss Filter for Mobile Commu	nication	85,38 MHz
Data Sheet	SMD	

Test matching network to $\textbf{200}\Omega \,/\, \textbf{200}\Omega$

(Element values depend on pcb layout)



Published by EPCOS AG Surface Acoustic Wave Components Division, OFW E MF P.O. Box 80 17 09, D-81617 München

© EPCOS AG 1999. All Rights Reserved.

As far as patents or other rights of third parties are concerned, liability is only assumed for components per se, not for applications, processes and circuits implemented within components or assemblies.

The information describes the type of component and shall not be considered as assured characteristics.

Terms of delivery and rights to change design reserved.

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.