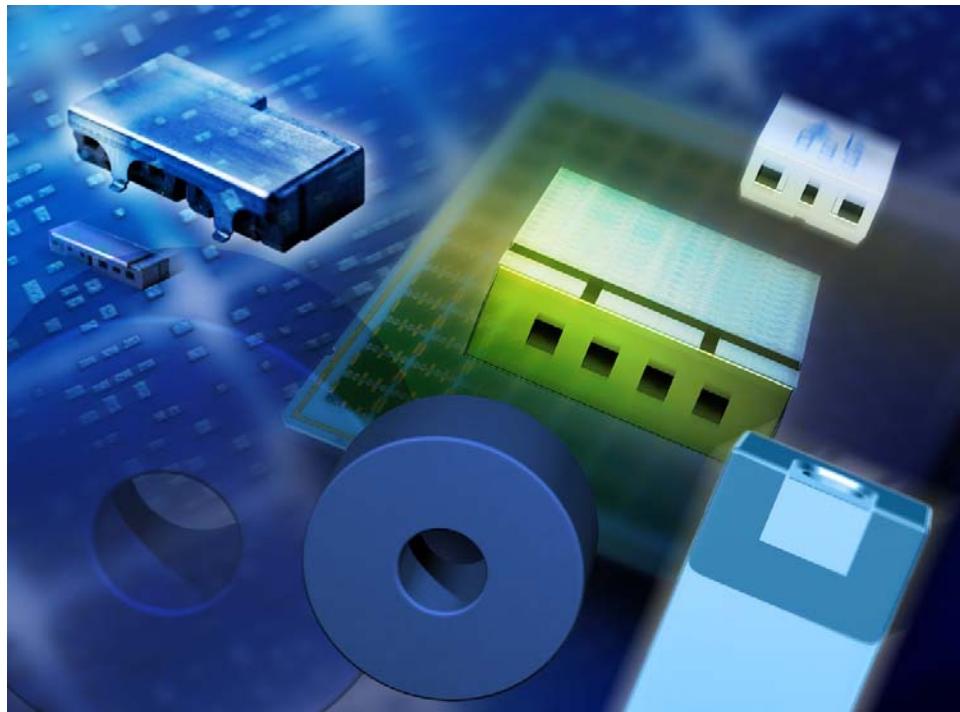


Preliminary datasheet



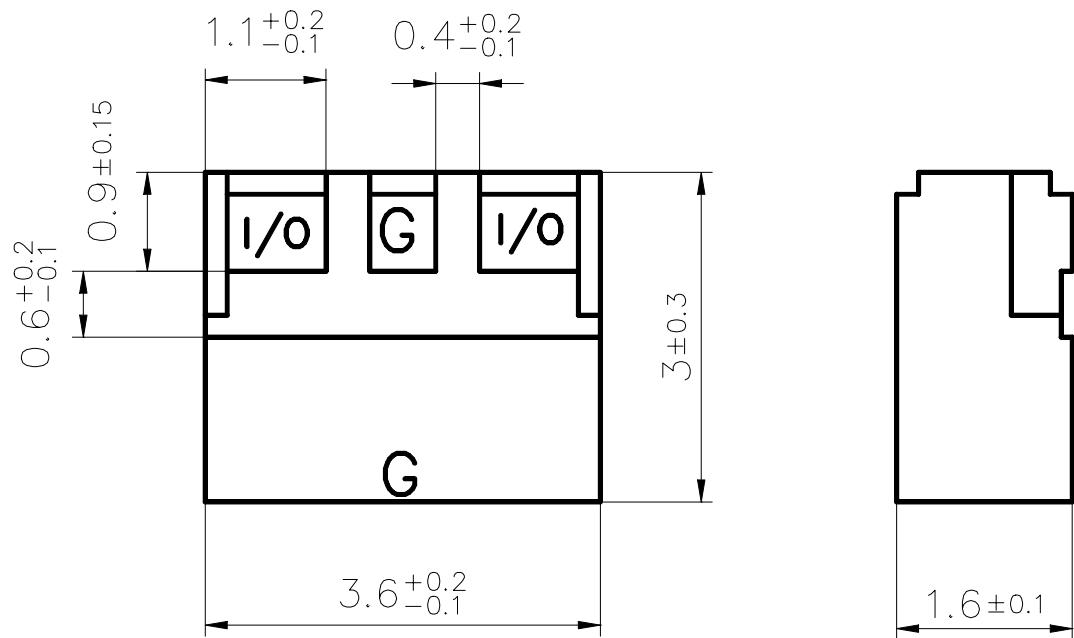
Features

- SMD filter consisting of coupled resonators with stepped impedances
- extreme low losses
- high attenuations at GSM (900, 1800) and UMTS bands
- high attenuation a 2 times center frequency
- (NdBa)TiO₃ ($\epsilon_r = 88$ / $TC_f = 0 \pm 10$ ppm/K) with a coating of copper (10 μ m) and tin (>5 μ m)
- Excellent reflow solderability, no migration effect due to copper/tin metallization

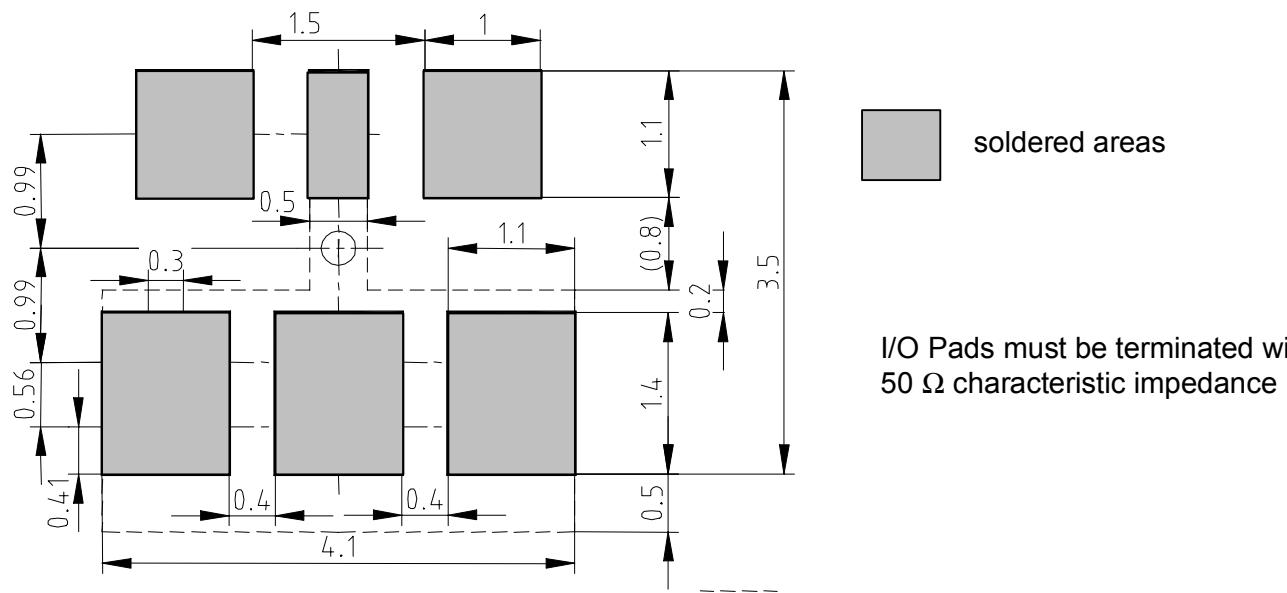
Index

Page 2	<ul style="list-style-type: none">● Component drawing● Recommended footprint
Page 3	<ul style="list-style-type: none">● Characteristics● Maximum ratings● Typical passband characteristic
Page 4	<ul style="list-style-type: none">● Processing information● Soldering requirements● Delivery mode

ISSUE DATE	27.08.03	ISSUE	P1	PUBLISHER	SAW MWC PD F	PAGE	1/4
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Component drawing


View from below onto the solder terminals and view from beside

Recommended footprint


Characteristics

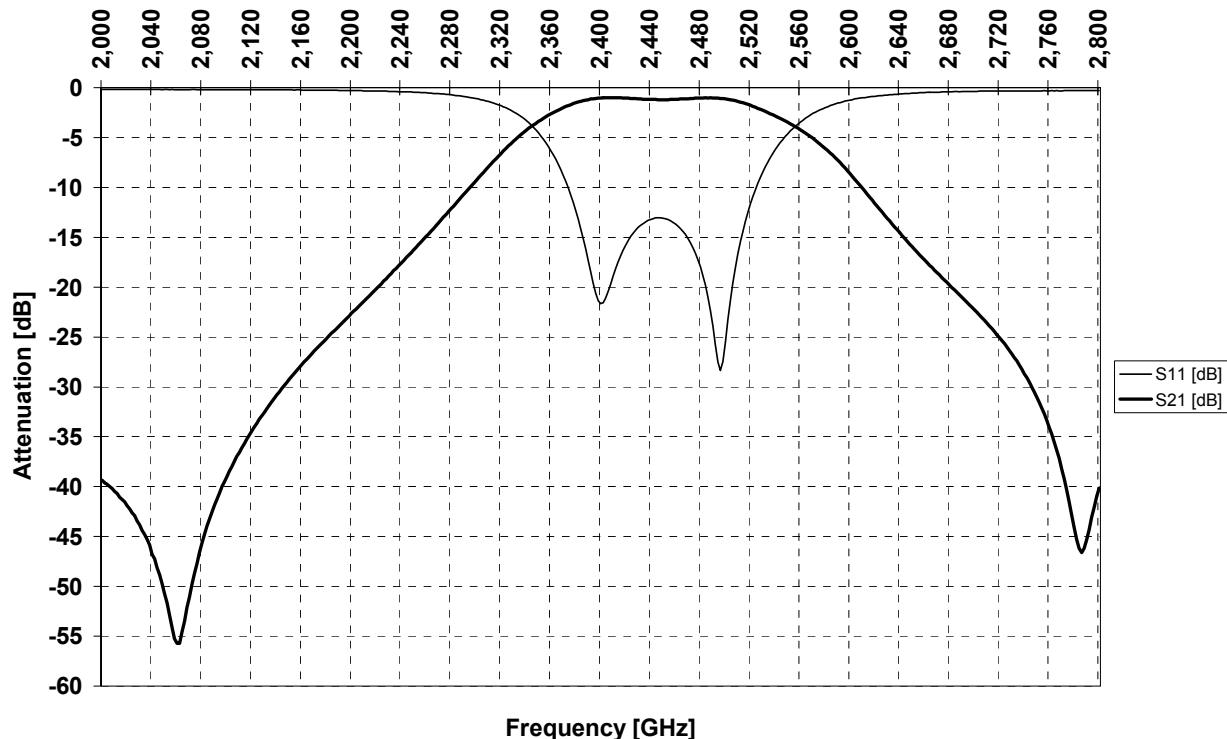
		min.	typ.	max.	
Center frequency	f_c	-	2.45	-	GHz
Insertion loss	α_{IL}		0.8	1.2	dB
Passband	B	100			MHz
Amplitude ripple (peak - peak)	$\Delta\alpha$		0.4	0.8	dB
Standing wave ratio	SWR		1.5	2.0	
Impedance	Z		50		Ω
Attenuation	at 2150 MHz	25	30		

Maximum ratings

IEC climatic category (IEC 68-1)	- 40/+ 90/56	
Operating temperature	T_{op} - 20 / + 85	°C

Typical passband characteristic

S21211 DDC



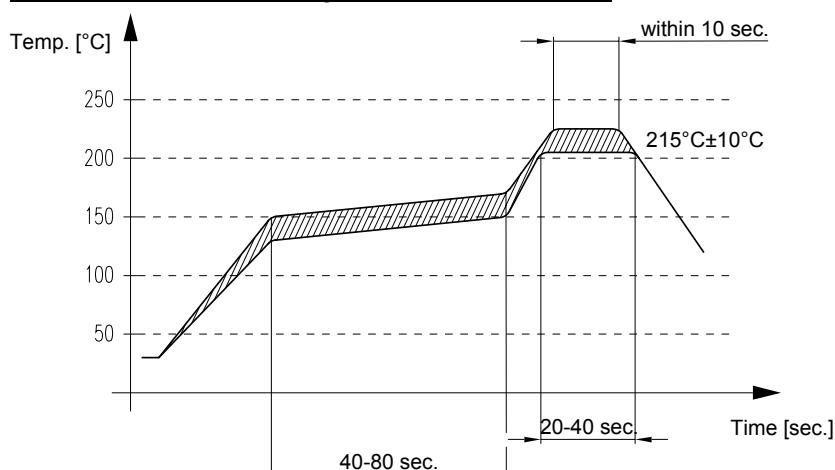
Preliminary datasheet
Processing information

ZNr.: 527 (FILT95_2)

- Wettability to IEC 68-2-58: $\geq 75\%$ (after aging)

Soldering requirements

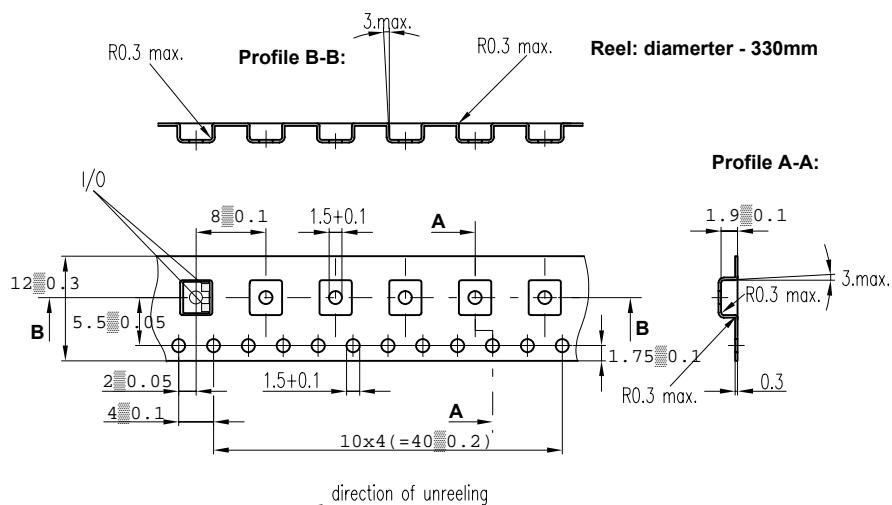
Soldering type	reflow	
Maximum soldering temperature (measuring point on top surface of the component)	235 (max. 2 sec.) 225 (max. 10 sec.)	°C °C

Recommended soldering conditions (infrared):


LOETPROF.DOC

Delivery mode

- Blister tape to IEC 286-3, PS, grey
- Pieces/tape: 3000



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The information contained in this data sheet describes the type of component and shall not be considered as guaranteed characteristics. 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.

ISSUE DATE	27.08.03	ISSUE	P1	PUBLISHER	SAW MWC PD F	PAGE	4/4
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