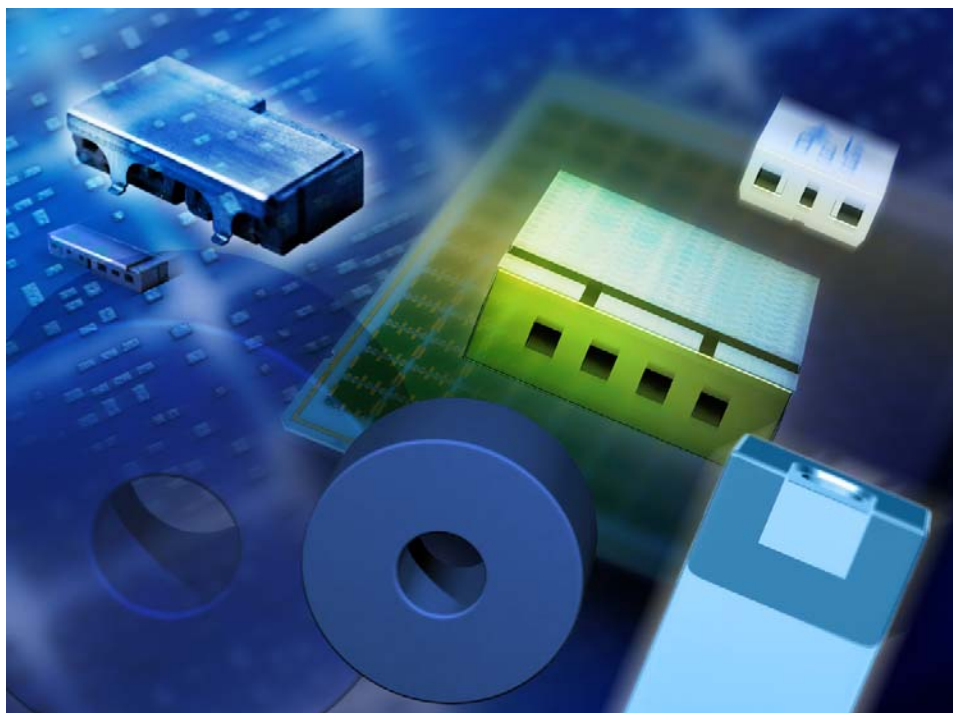




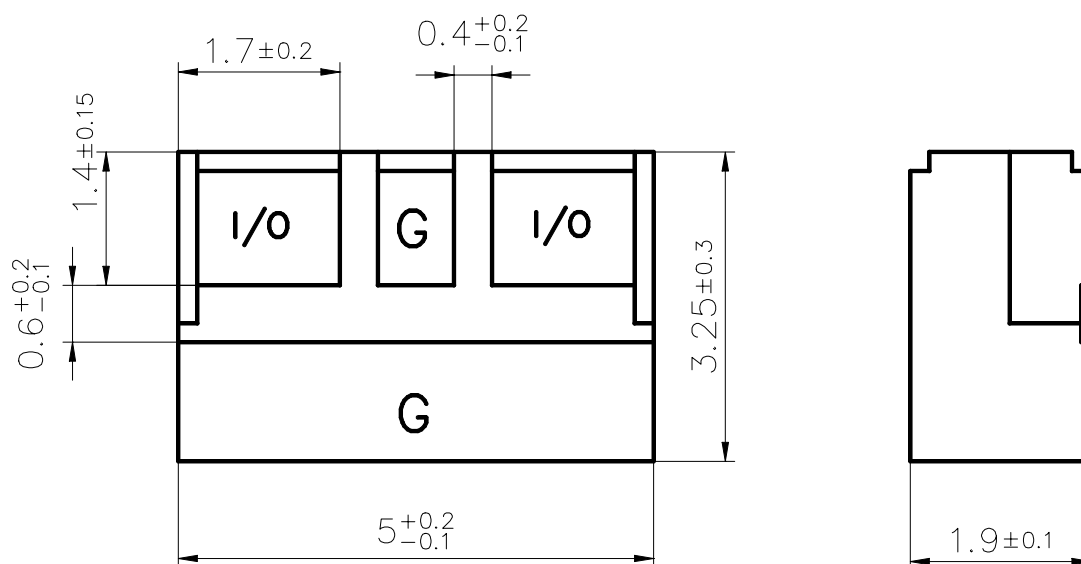
Features

- SMD filter consisting of coupled resonators with stepped impedances
- (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

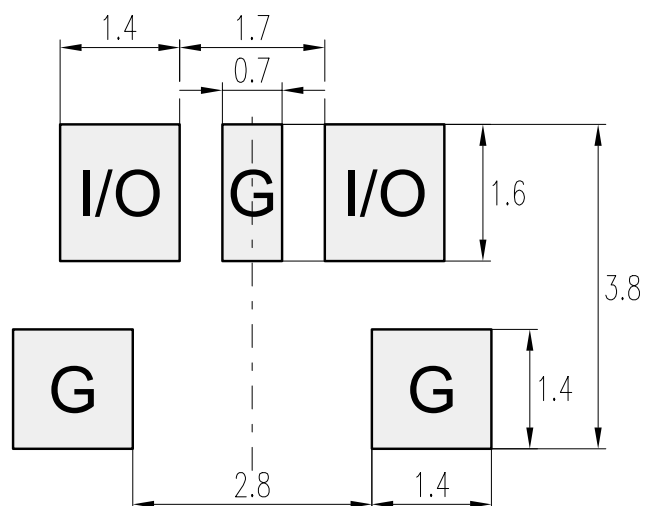
Index

- | | |
|--------|---|
| 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	A	PUBLISHER	SAW MWC PD F	PAGE	1/4
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Datasheet
Component drawing


View from below onto the solder terminals and view from beside

Recommended footprint


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Characteristics

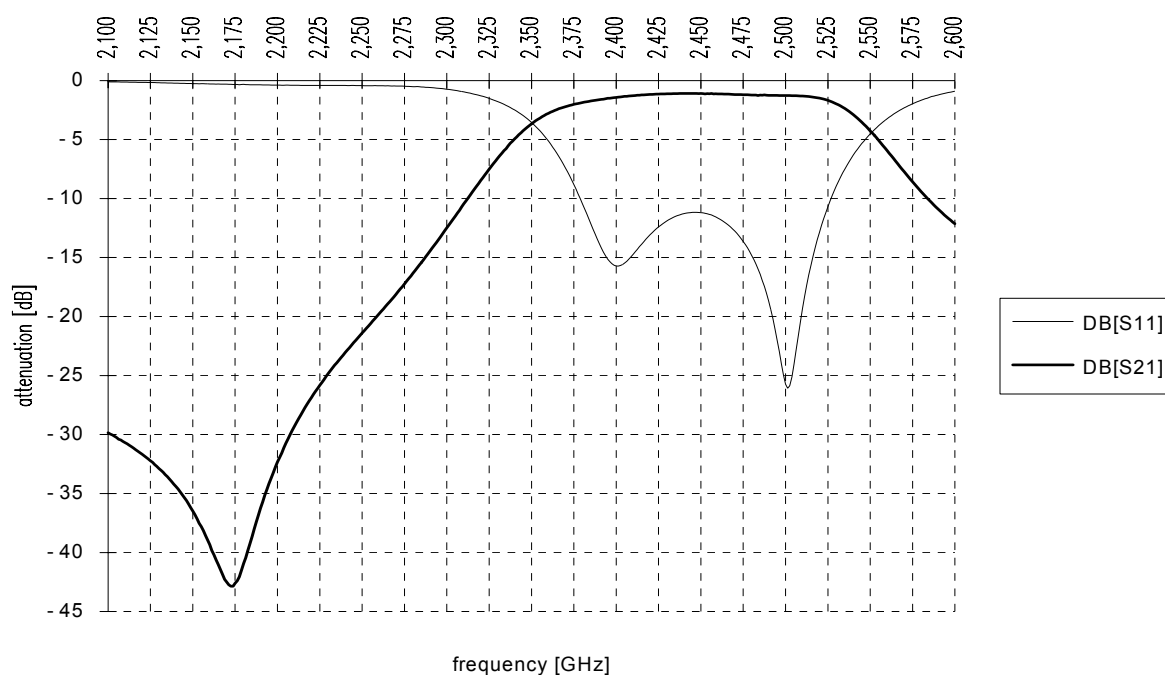
ISSUE DATE	27.08.03	ISSUE	A	PUBLISHER	SAW MWC PD F	PAGE	2/4
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Datasheet

		min.	typ.	max.	
Center frequency	f_c	-	2.4415	-	GHz
Insertion loss	α_{IL}		0.6	1.3	dB
Passband	B	83			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	α				
at 2150 MHz		35	40		dB

Maximum ratings

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

Typical passband characteristic


S2I211.DOC

Processing information
ZNr.: 368 (FILT95_2)

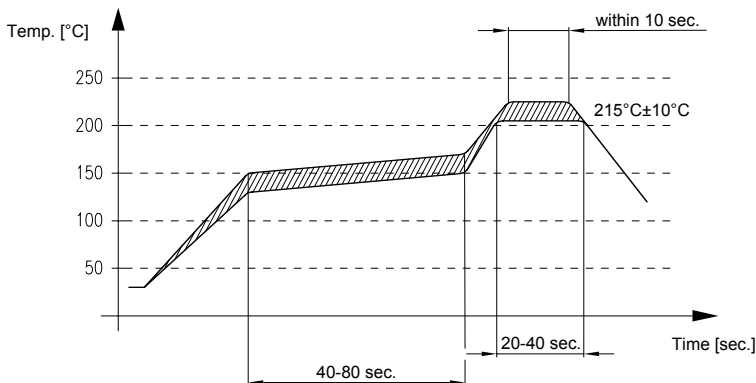
ISSUE DATE	27.08.03	ISSUE	A	PUBLISHER	SAW MWC PD F	PAGE	3/4
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Datasheet

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

Soldering requirements

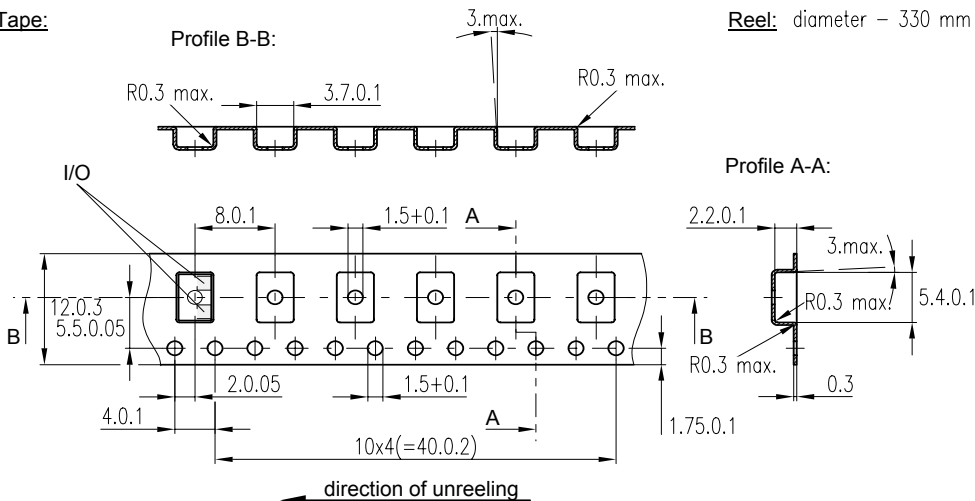
Soldering type	reflow	
Maximum soldering temperature (measuring point on top surface of the component)	235 (max. 2 sec.) 225 (max. 10 sec.)	°C °C

Recommended soldering conditions (infrared):


LOETPROF.DOC

Delivery mode

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

Tape:

Reel: diameter – 330 mm

TAPS3I21.DOC

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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	A	PUBLISHER	SAW MWC PD F	PAGE	4/4
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