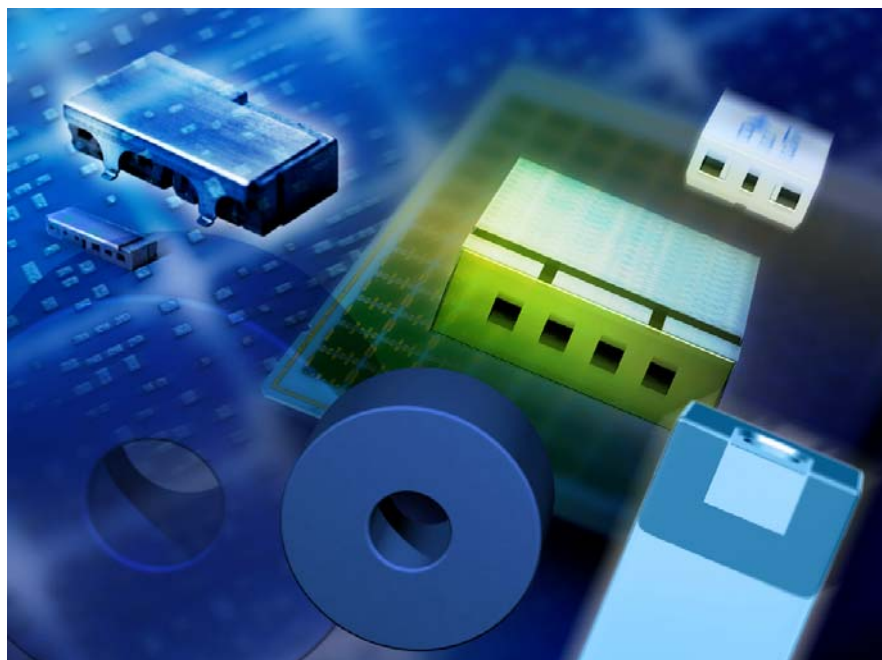


Data Sheet

**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

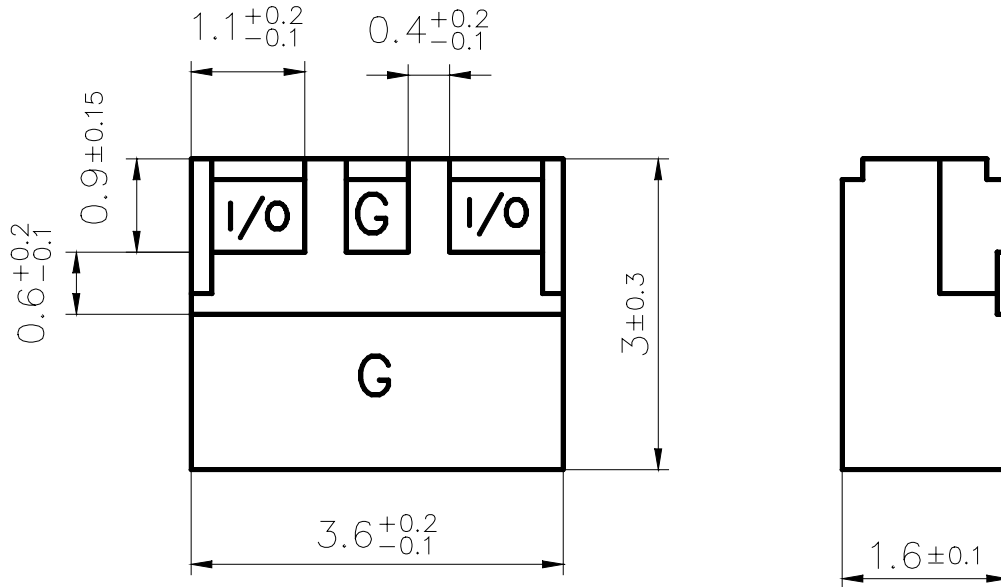
Index

- Page 2
- Component drawing
 - Recommended footprint
- Page 3
- Characteristics
 - Maximum ratings
 - Typical passband characteristic
- Page 4
- Processing information
 - Soldering requirements
 - Delivery mode

ISSUE DATE	12.03.04	ISSUE	B	PUBLISHER	SAW MWC PD	PAGE	1/4
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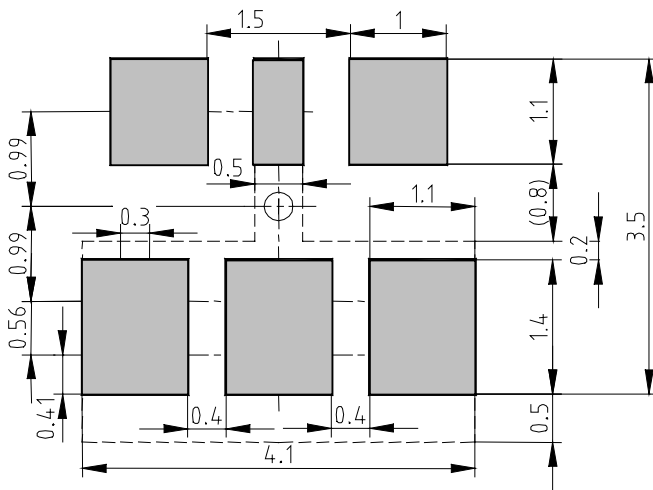
Data Sheet

Component drawing



View from below onto the solder terminals and view from beside

Recommended footprint





Data Sheet

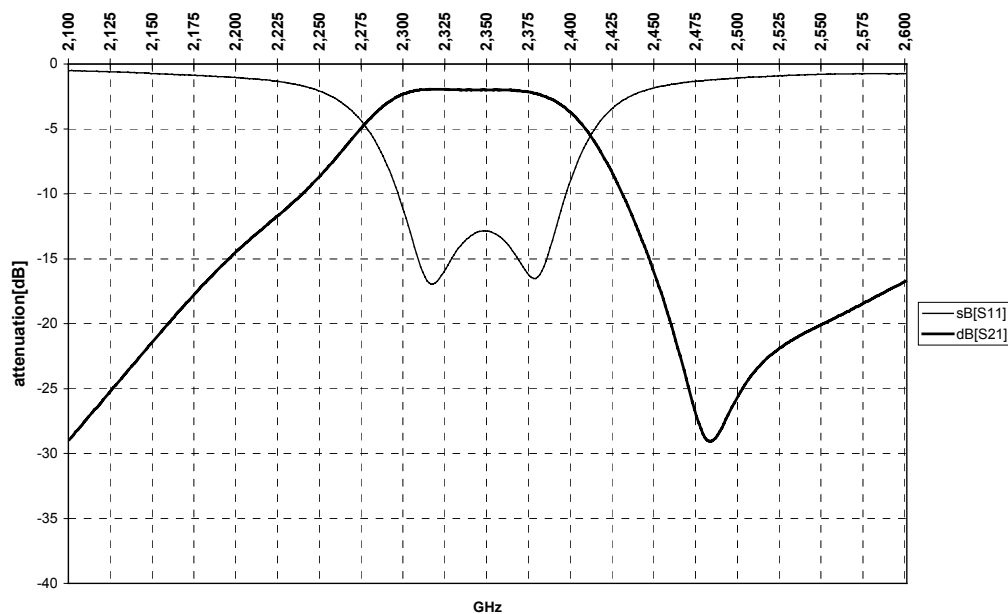
Characteristics

		min.	typ.	max.	
Center frequency	f_C	-	2326	-	MHz
Insertion loss	α_{IL}		1.6	1.8	dB
Passband	B	14			MHz
Amplitude ripple (peak - peak)	$\Delta\alpha$		0.2	0.5	dB
Standing wave ratio	SWR			2.0	
Impedance	Z		50		Ω
Attenuation	α				
	at DC to 1703 MHz	33	35		dB
	at 2127 MHz	20	24		dB
	at 2162 to 2175 MHz	12	15		dB
	at 2227 MHz	10	11		dB
	at 2400 MHz	3			dB
	at 2426 MHz	6			dB
	at 2500 MHz	15	17		dB
	at 2526 MHz	20	23		dB

Maximum ratings

IEC climatic category (IEC 68-1)		- 40/+ 90/56	
Operating temperature	T_{Op}	-40 / +85	$^{\circ}C$

Typical passband characteristic



2-Pole Filter for SIRIUS

B69812N2327A314

Data Sheet

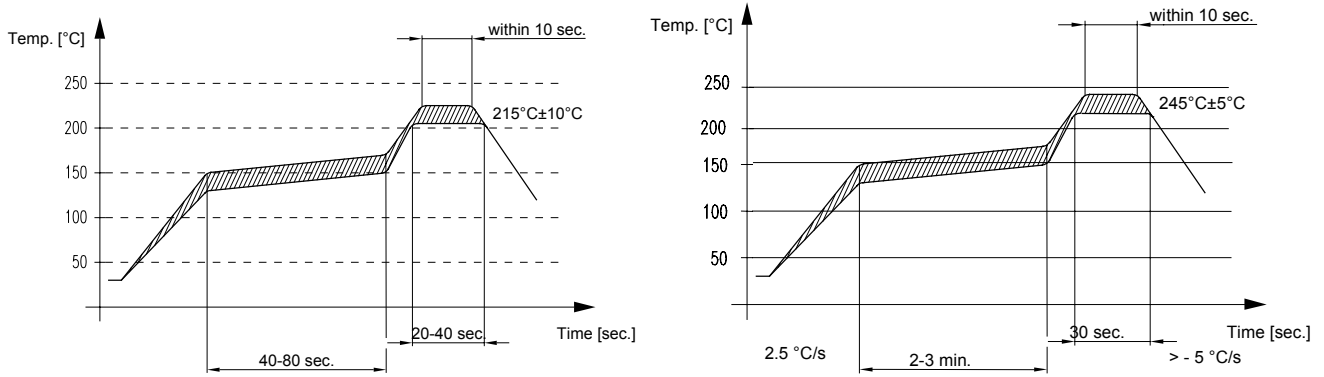
Processing information

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

Soldering Requirements

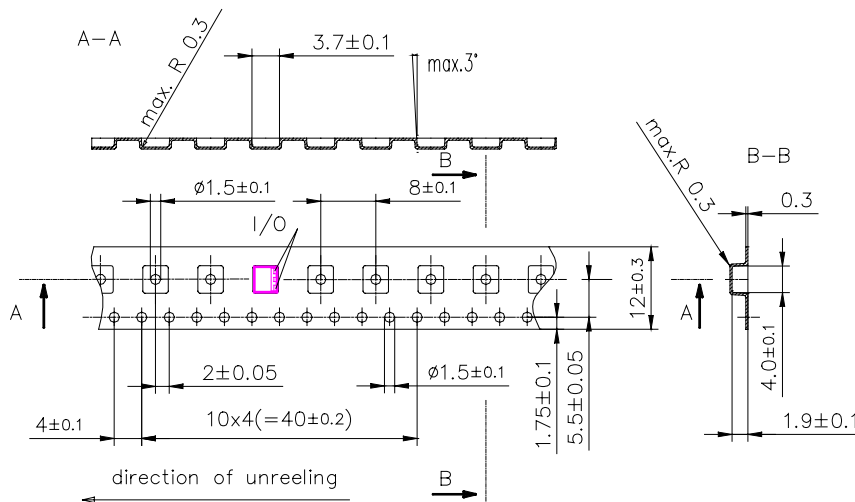
	Profile for eutectic SnPb solder paste	Profile for leadfree solder paste	
Soldering type	reflow	reflow	
Maximum soldering temperature (measuring point on top surface of the component)	235 (max. 2 sec.) 225 (max. 10 sec.)	260 (max. 2 sec.) 250 (max. 10 sec.)	°C °C

Recommended soldering conditions (infrared):



Delivery mode

- Blister tape acc. to IEC 286-3, polyester, 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	12.03.04	ISSUE	B	PUBLISHER	SAW MWC PD	PAGE	4/4
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