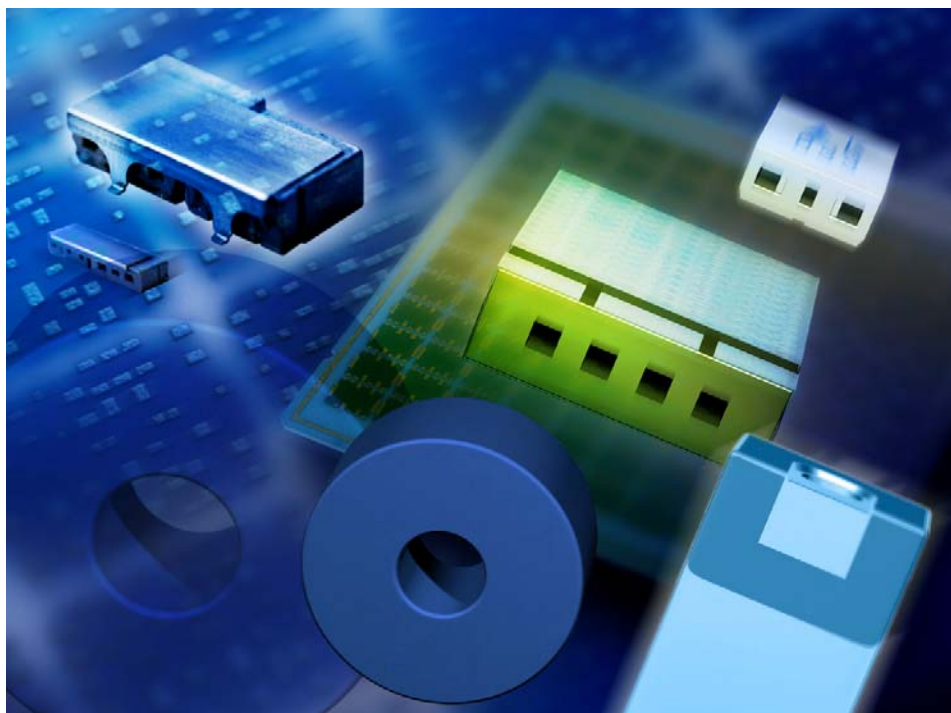


Preliminary Data Sheet

**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

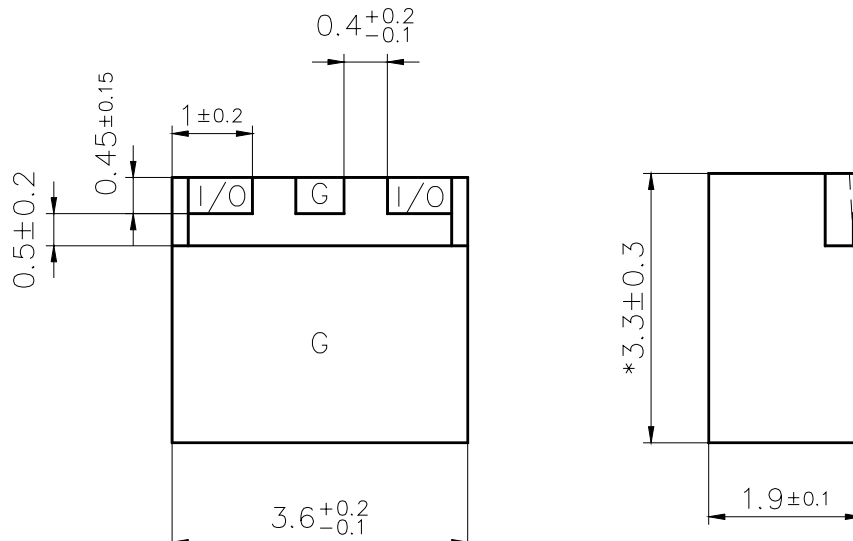
Index

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

ISSUE DATE	28.06.04	ISSUE	P4	PUBLISHER	SAW MWC PD	PAGE	1/4
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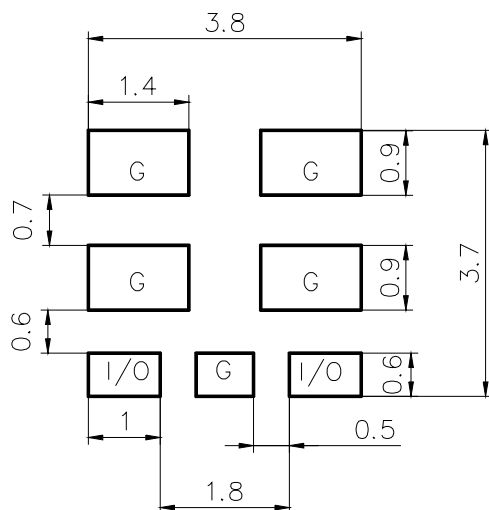
Preliminary Data Sheet

Component drawing



View from below onto the solder terminals and view from beside

Recommended footprint



Marking



y= calendar year
w= calendar week
e.g.: 427= calendar year 2004,
calendar week 27

ISSUE DATE	28.06.04	ISSUE	P4	PUBLISHER	SAW MWC PD	PAGE	2/4
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Preliminary Data Sheet

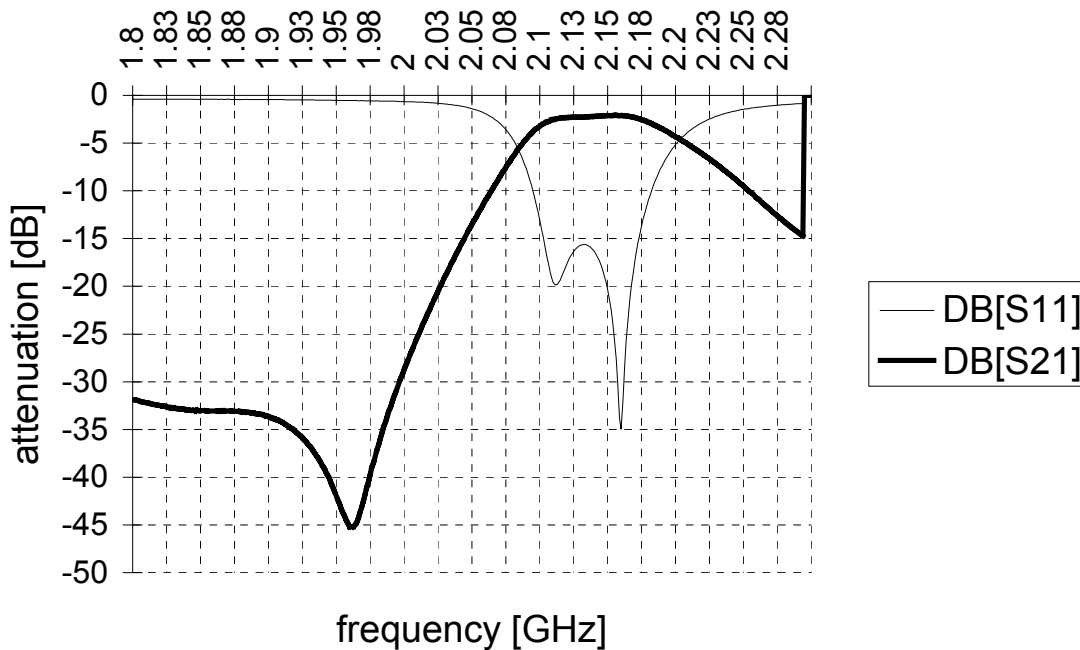
Characteristics

		min.	typ.	max.	
Center frequency	f_c	-	2140	-	MHz
Insertion loss	α_{IL}		1.5	2.0	dB
Passband	B	60			MHz
Amplitude ripple (peak - peak)	$\Delta\alpha$		0.5	1.0	dB
Standing wave ratio	SWR		1.5	2.0	
Impedance	Z		50		Ω
Power	P			1.0	W
Attenuation	α	30	35		dB
		at 1920 to 1980 MHz			

Maximum ratings

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

Typical passband characteristic



Preliminary Data Sheet

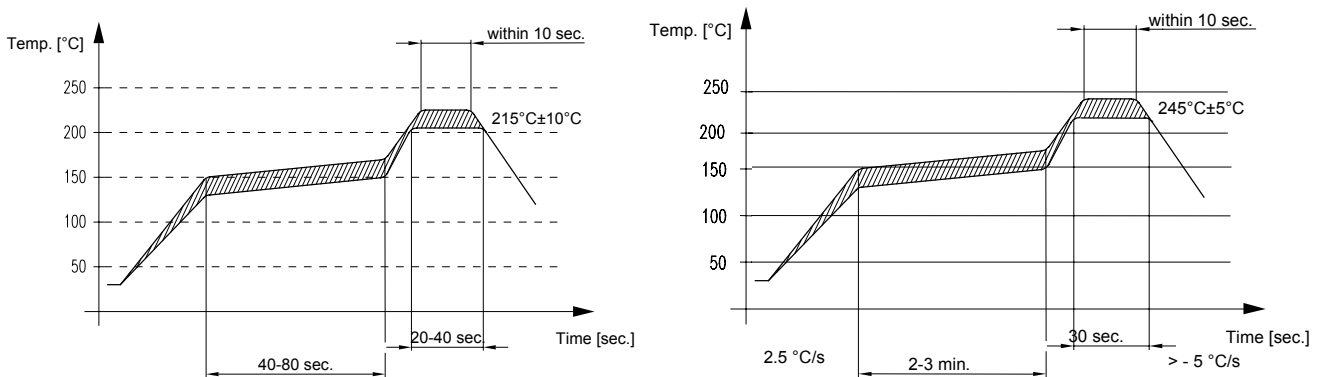
Processing information

- Wettability to IEC 68-2-58: ≥ 75% (after aging)

Soldering Requirements

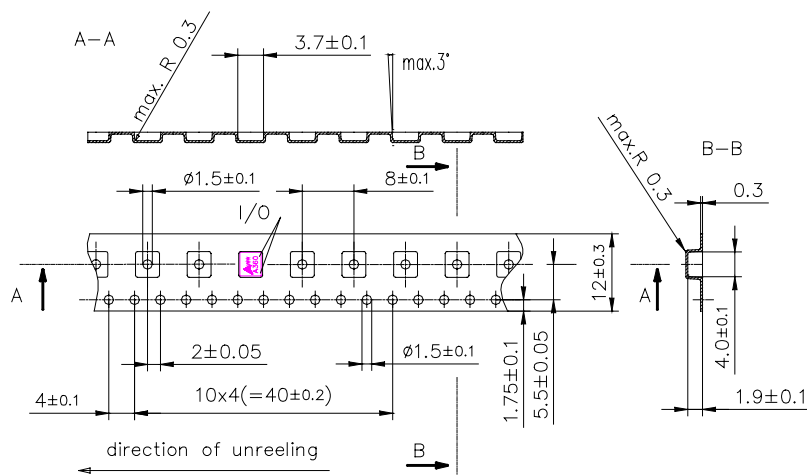
	Profile for eutectic SnPb solder paste	Profile for leadfree solder paste	
Soldering type	reflow	reflow	
Maximum soldering temperature (measuring point on top surface of the component)	235 (max. 2 sec.) 225 (max. 10 sec.)	260 (max. 2 sec.) 250 (max. 10 sec.)	°C °C

Recommended soldering conditions (infrared):



Delivery mode

- Blister tape acc. to IEC 286-3, 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	28.06.04	ISSUE	P4	PUBLISHER	SAW MWC PD	PAGE	4/4
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