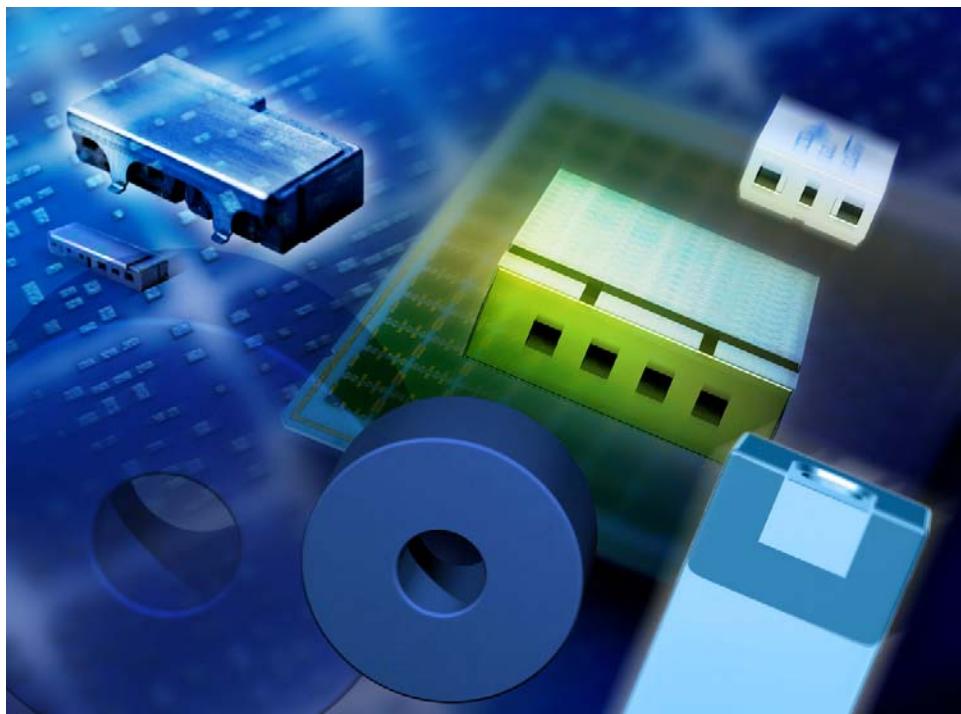


Data Sheet

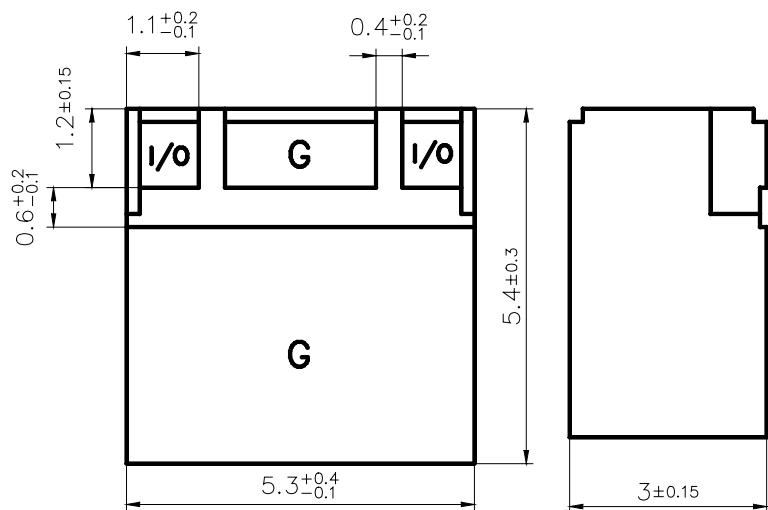


Features

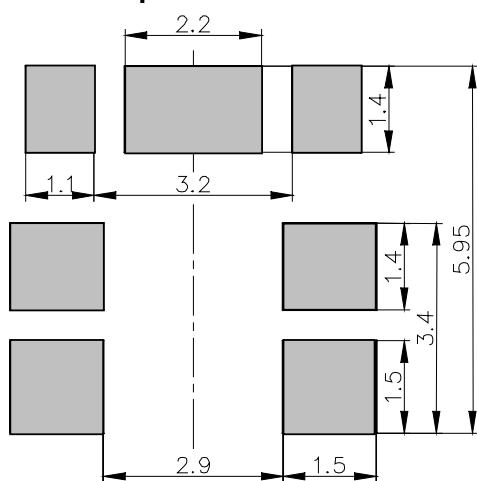
- SMD filter consisting of coupled resonators with stepped impedances
- $(\text{NdBa})\text{TiO}_3$ ($\epsilon_r = 88$ / $TC_f = 0 \pm 10 \text{ ppm/K}$) with a coating of copper ($10\mu\text{m}$) and tin ($>5\mu\text{m}$)
- Excellent reflow solderability, no migration effect due to copper/tin metallization

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Page 4	<ul style="list-style-type: none">● Processing information● Soldering requirements● Delivery mode

Component drawing


View from below onto the solder terminals and view from beside

Recommended footprint


Data Sheet

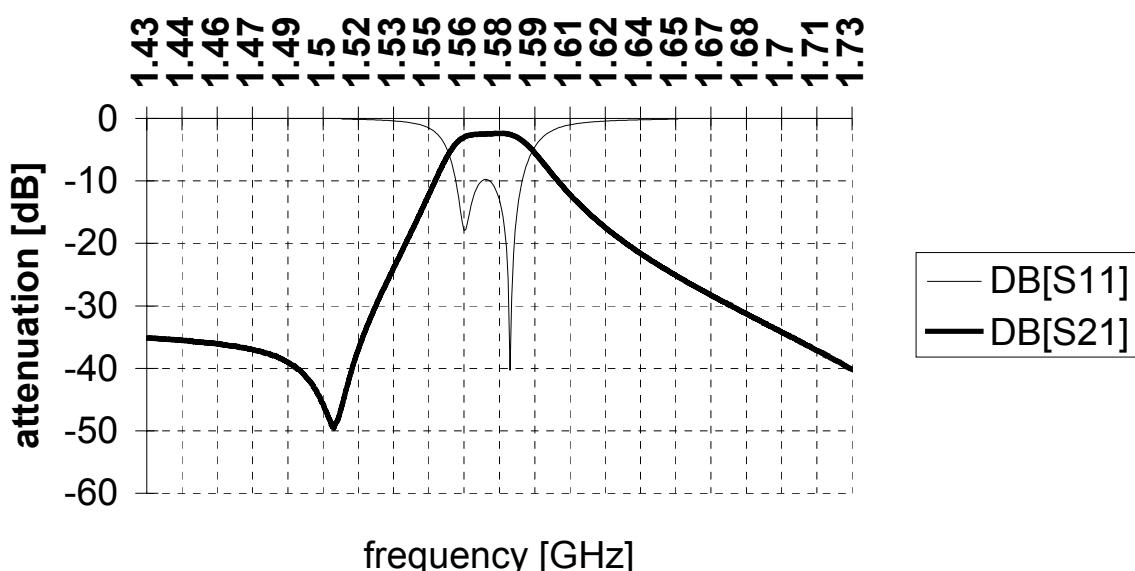
Characteristics

		min.	typ.	max.	
Center frequency	f_C	-	1575	-	MHz
Insertion loss 1 at T_{op1}	α_{IL1}		1.6	2.5	dB
Insertion loss 2 at T_{op2}	α_{IL2}		1.8	2.8	dB
Passband	B	3.0	20.0		MHz
Amplitude ripple (peak - peak)	$\Delta\alpha$		0.2	0.5	dB
Standing wave ratio	SWR		1.5	2.0	
Impedance	Z		50		Ω
Attenuation	α				
at < 1490 MHz		30	35		dB
at 1525 MHz		20	23		dB
at 1625 MHz		18			dB

Maximum ratings

IEC climatic category (IEC 68-1)	- 40/+ 90/56	
Operating temperature 1	T_{op1} 0 / + 55	$^{\circ}\text{C}$
Operating temperature 2	T_{op2} - 40 / + 90	$^{\circ}\text{C}$

Typical passband characteristic

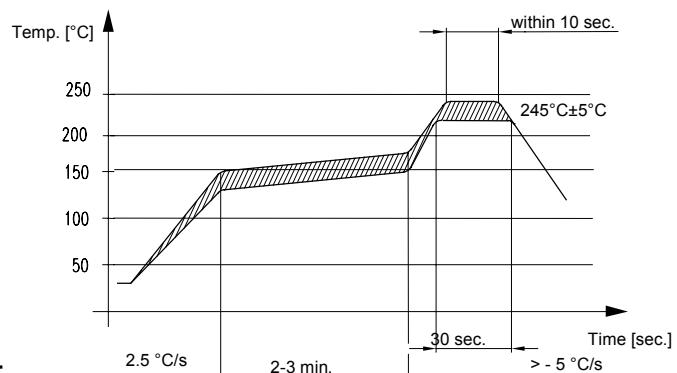


Data Sheet
Processing information

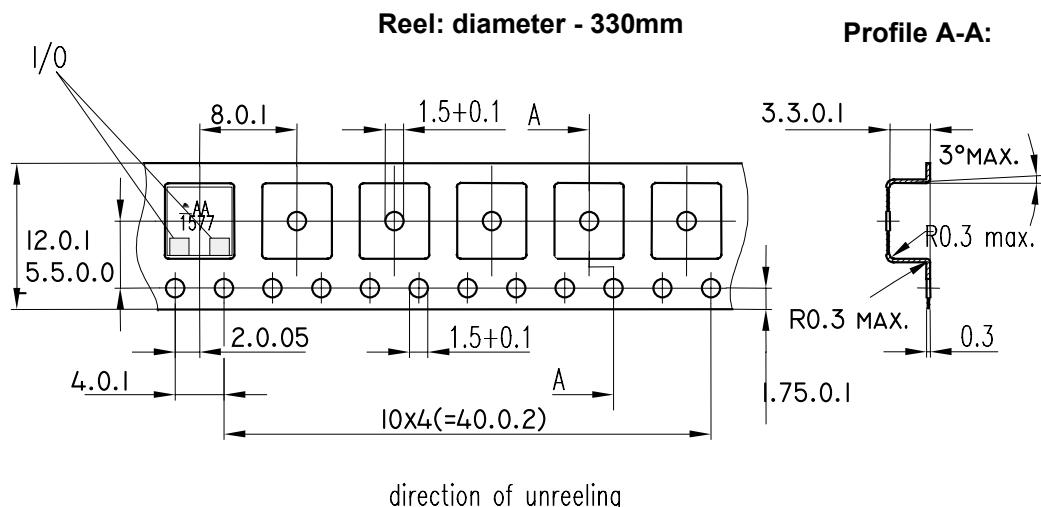
- Wettability acc. to IEC 68-2-58: $\geq 75\%$ (after aging)

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):

Fehler! Textmarke nicht definiert.
Delivery mode

- Blister tape acc. to IEC 286-3, polyester, grey
- Pieces/tape: 2000



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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.