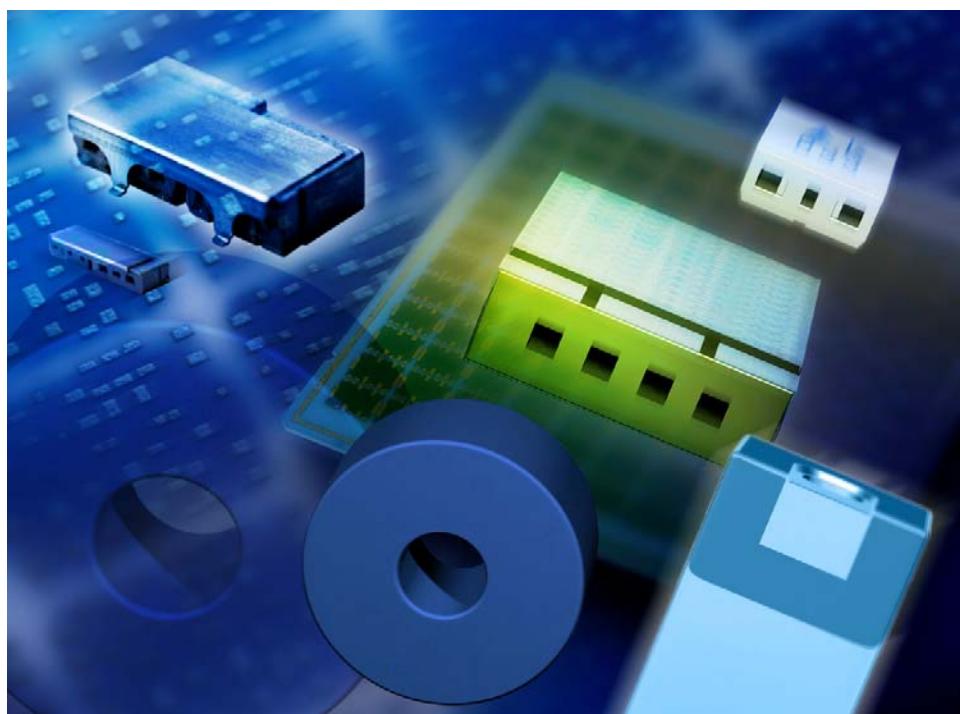


Data Sheet

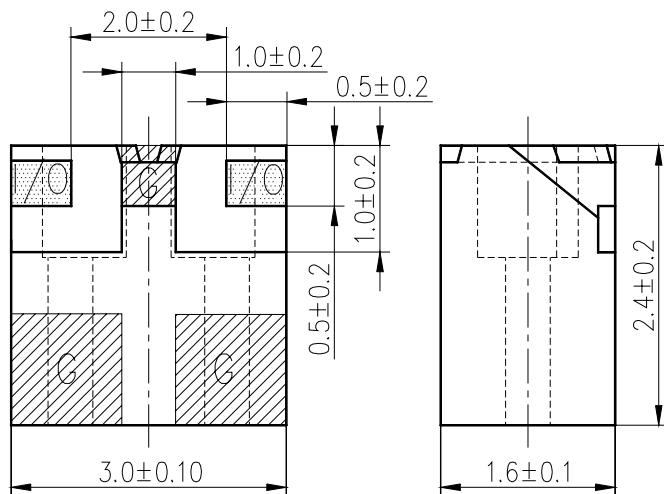


Features

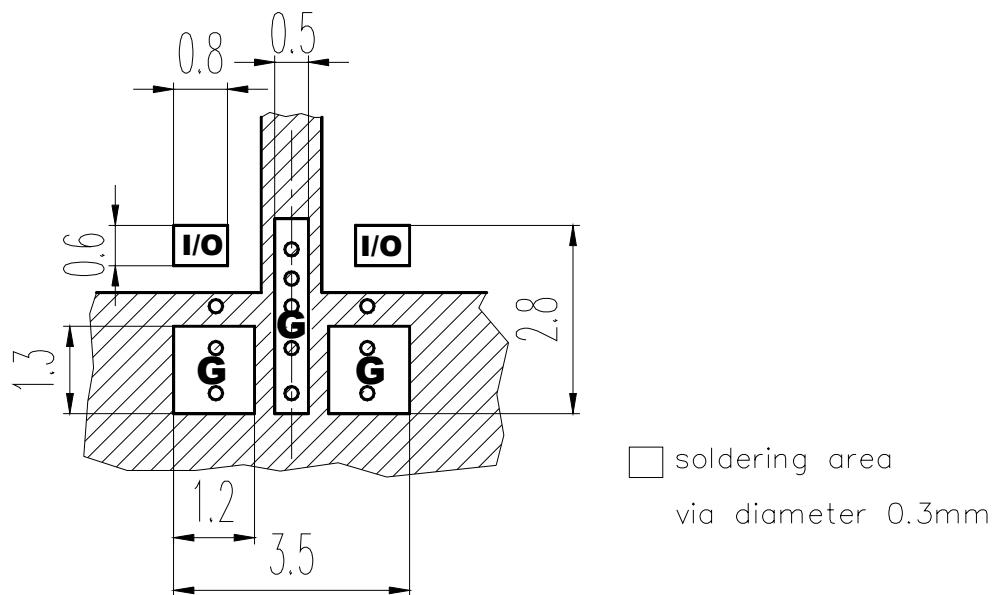
- SMD filter consisting of coupled resonators with stepped impedances
- $\text{MgTiO}_3 - \text{CaTiO}_3$ ($\epsilon_r = 21$ / $TC_f = 0 \pm 10 \text{ ppm/K}$) with a coating of copper ($10\mu\text{m}$) and tin ($>5\mu\text{m}$)
- Excellent reflow solderability, no migration effect due to copper/tin metallization

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Page 2	<ul style="list-style-type: none">● Component drawing● Recommended footprint
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Data Sheet
Component drawing


View from below onto the solder terminals and view from beside

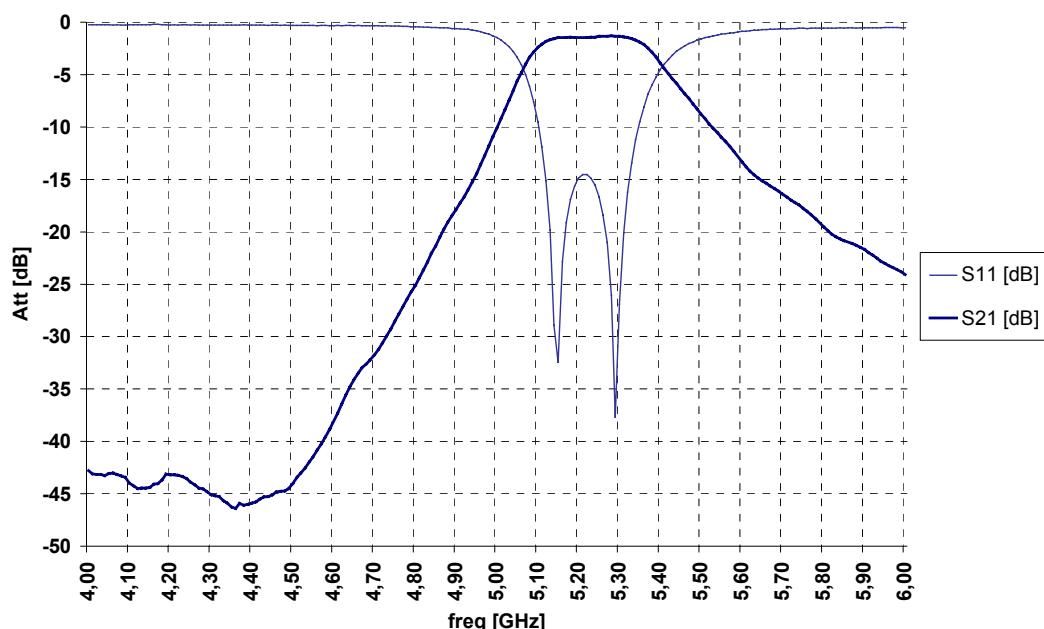
Recommended footprint


Data Sheet
Characteristics

		min.	typ.	max.	
Center frequency	f_C	-	5250	-	MHz
Insertion loss	α_{IL}		1.4	1.8	dB
Passband	B	200			MHz
Standing wave ratio	SWR		1.5	2.0	
Impedance	Z		50		Ω
Power	P			1.0	W
Attenuation					
at DC to 1990 MHz		55	60		dB
at 1990 to 2170 MHz		53	58		dB
at 2400 to 2500 MHz		50	55		dB
at 4500 MHz		35	40		dB
at 5000 MHz		10			dB
at 5500 MHz		7			dB
at 6.5 to 10 GHz		20	25		dB

Maximum ratings

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

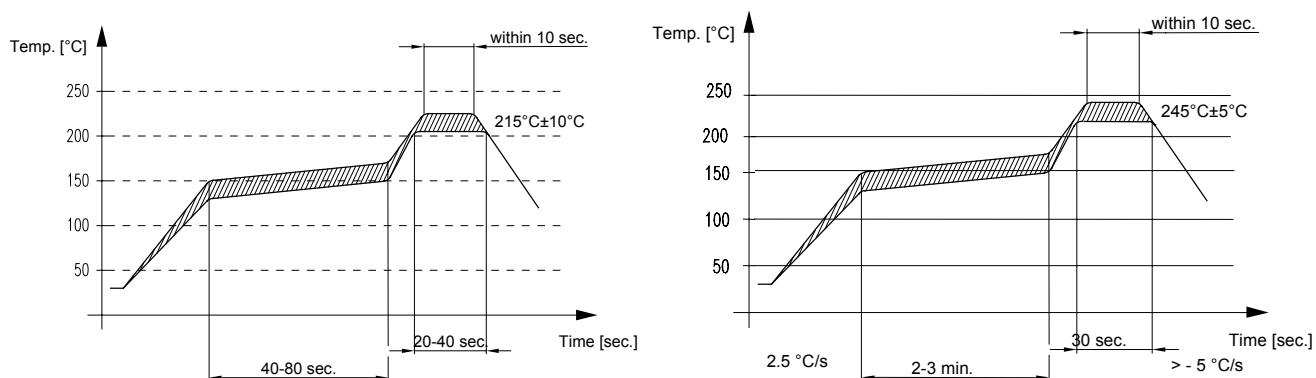
Typical passband characteristic


Data Sheet
Processing information

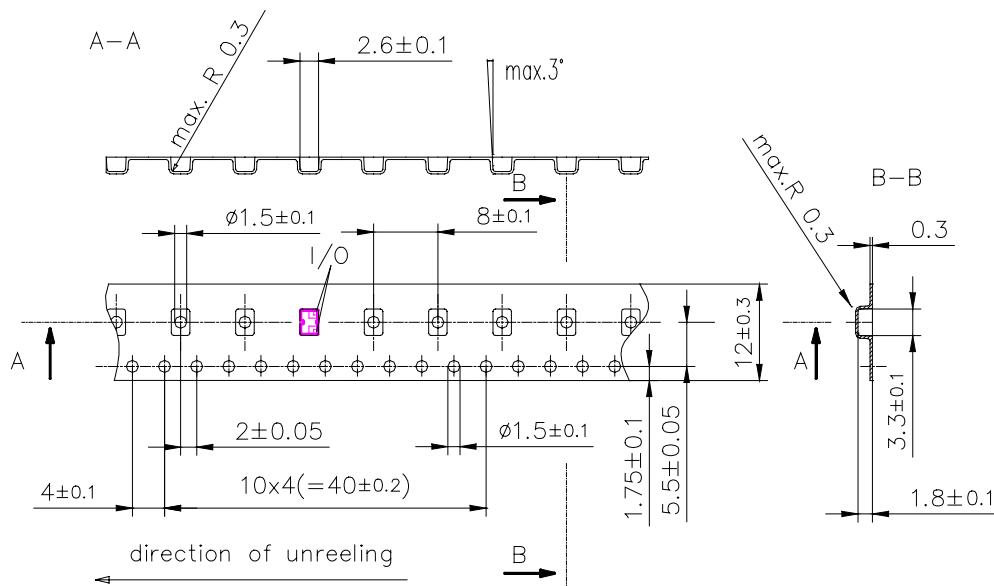
- Wettability acc. to IEC 68-2-58: $\geq 75\%$ (after aging)

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):

Delivery mode

- Blister tape acc. to IEC 286-3, PS, grey
- Pieces/tape: 4000



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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.

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