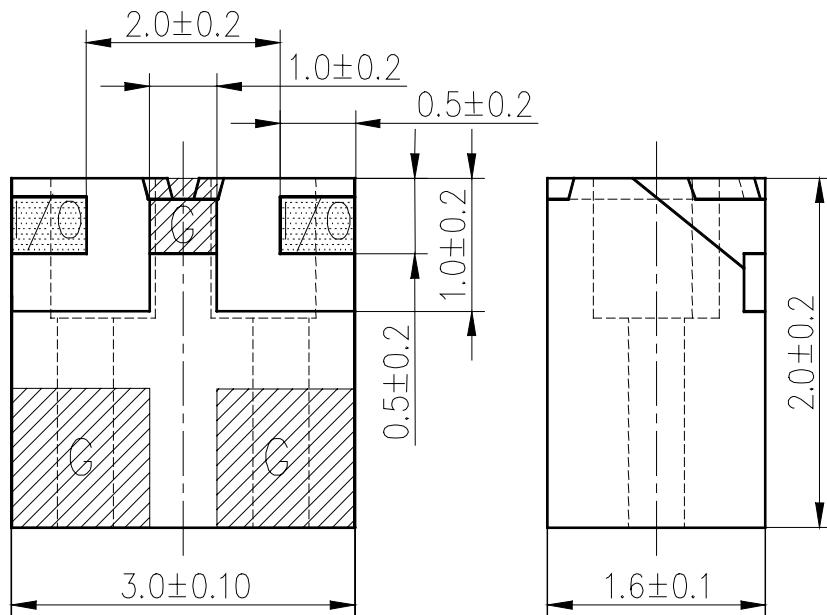


Features

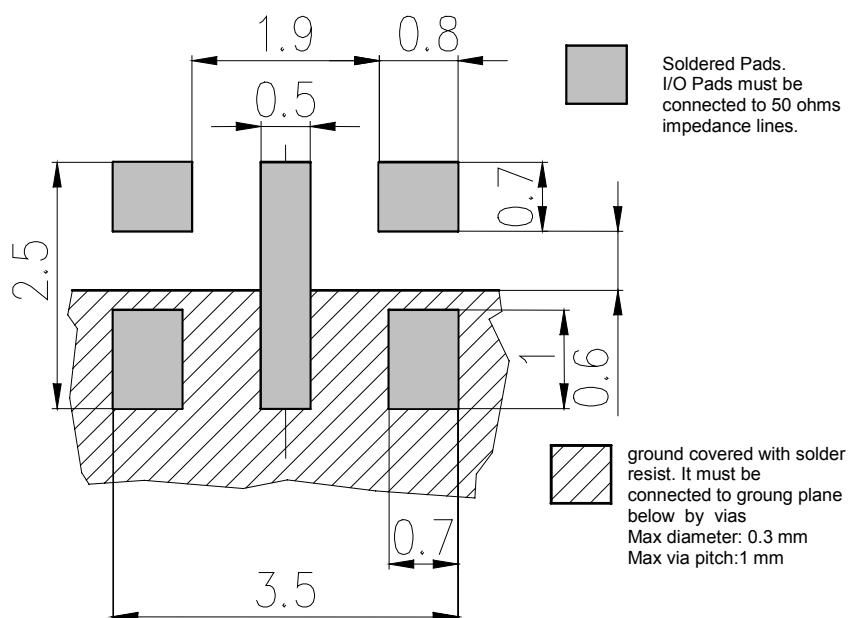
- SMD filter consisting of coupled resonators with stepped impedances
- $\text{MgTiO}_3 - \text{CaTiO}_3$ ($\epsilon_r = 21$ / $TC_f = 0 \pm 10 \text{ ppm/K}$) with a coating of copper ($10\mu\text{m}$) and tin ($>5\mu\text{m}$)
- Excellent reflow solderability, no migration effect due to copper/tin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

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

Preliminary Data Sheet
Component drawing


View from below onto the solder terminals and view from beside

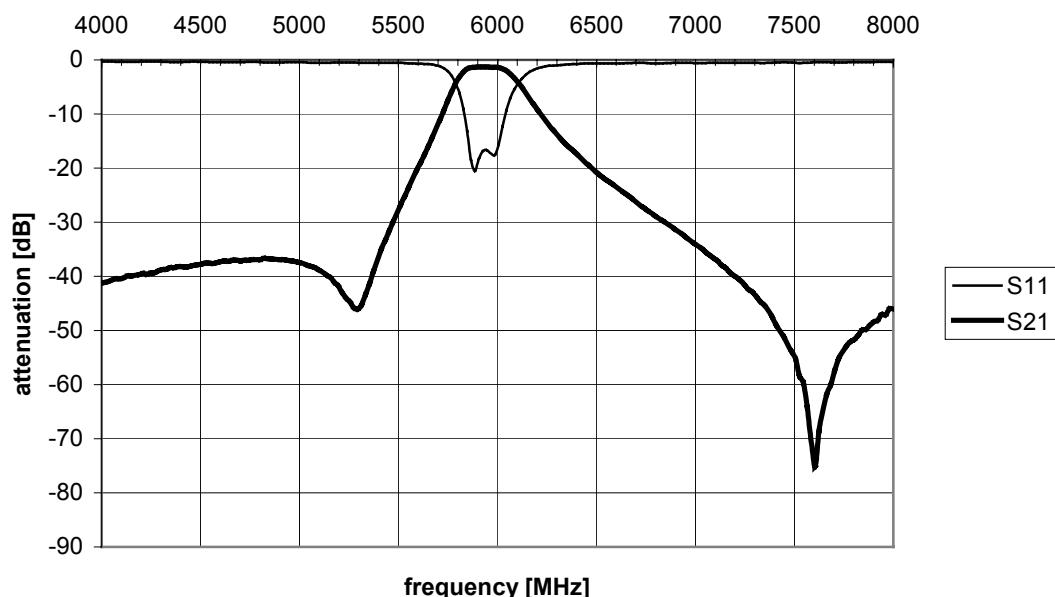
Recommended footprint


Preliminary Data Sheet
Characteristics

		min.	typ.	max.	
Center frequency	f_C	-	5867.5	-	MHz
Insertion loss	α_{IL}		1.2	1.4	dB
Passband	B	15			MHz
Standing wave ratio	SWR		1.5	2.0	
Impedance	Z		50		Ω
Power	P			1.0	W
Attenuation	α				dB
at 4061.5 MHz		40			dB
at 5732.5 MHz		8			dB

Maximum ratings

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

Typical passband characteristic


Preliminary Data Sheet

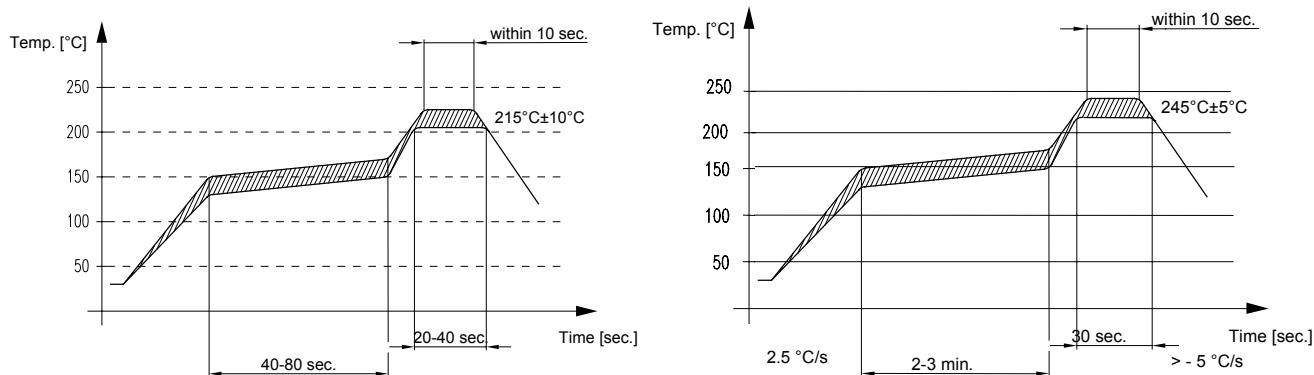
Processing information

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

Soldering Requirements

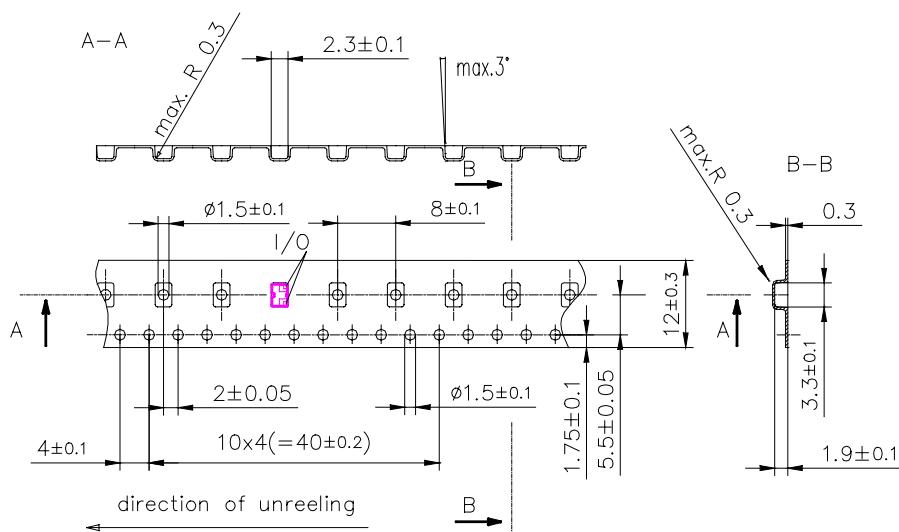
	Profile for eutectic SnPb solder paste	Profile for leadfree solder paste	
Soldering type	reflow	reflow	
Maximum soldering temperature (measuring point on top surface of the component)	235 (max. 2 sec.) 225 (max. 10 sec.)	260 (max. 2 sec.) 250 (max. 10 sec.)	°C °C

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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