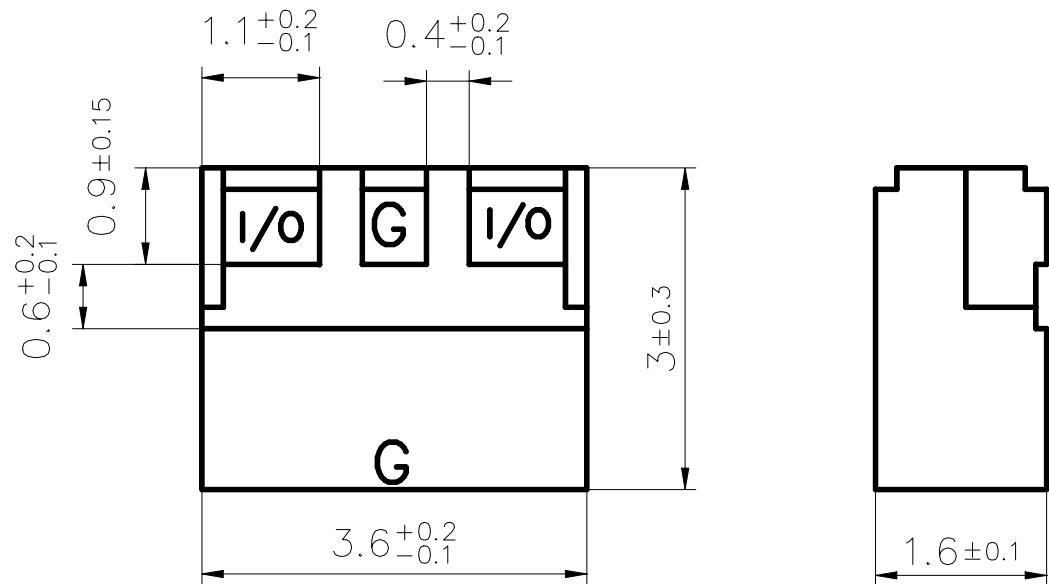


Features

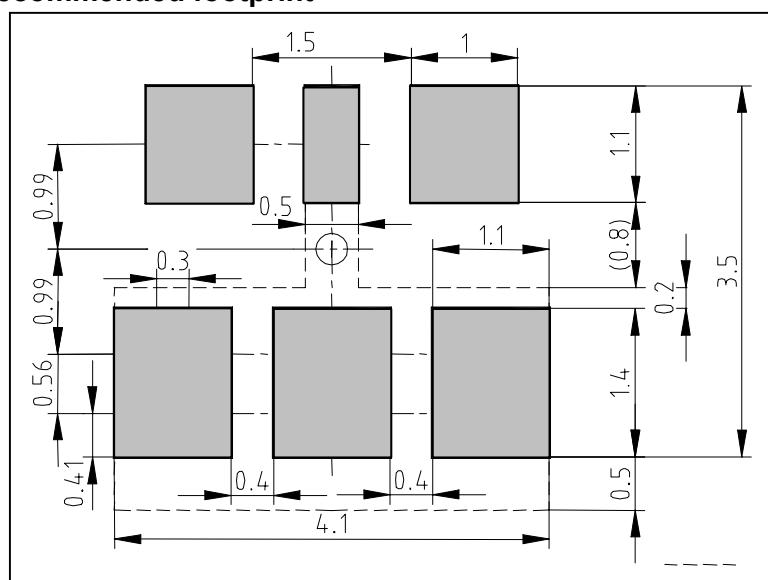
- SMD filter consisting of coupled resonators with stepped impedances
- $(\text{NdBa})\text{TiO}_3$ ($\epsilon_r = 88$ / $TC_f = 0 \pm 10 \text{ ppm/K}$) with a coating of copper ($10\mu\text{m}$) and tin ($>5\mu\text{m}$)
- Excellent reflow solderability, no migration effect due to copper/tin metallization

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Page 3	<ul style="list-style-type: none">● Characteristics● Typical passband characteristic
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Preliminary Datasheet
Component drawing


View from below onto the solder terminals and view from beside

Recommended footprint


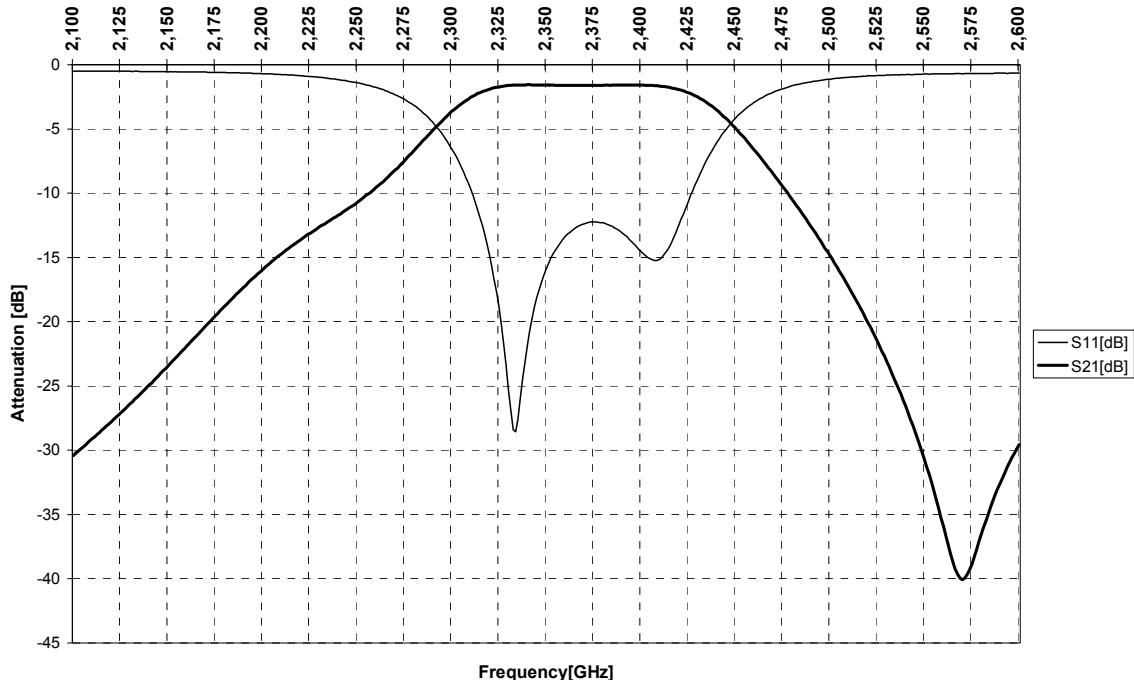
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Preliminary Datasheet

Characteristics

		min.	typ.	max.	
Center frequency	f_c	-	2.33875	-	GHz
Insertion loss	α_{IL}		1.5	2.0	dB
Passband	B	12.5			MHz
Amplitude ripple (peak - peak)	$\Delta\alpha$		0.3	0.5	dB
Standing wave ratio	SWR		1.5	2.0	
Impedance	Z		50		Ω
Attenuation					
at $fc \pm 200$ MHz		20	23		dB
at $fc \pm 230$ MHz		25	28		dB
IEC climatic category (IEC 68-1)		- 40/+ 90/56			
Operating temperature	T_{op}	- 40 / + 105			°C

Typical passband characteristic



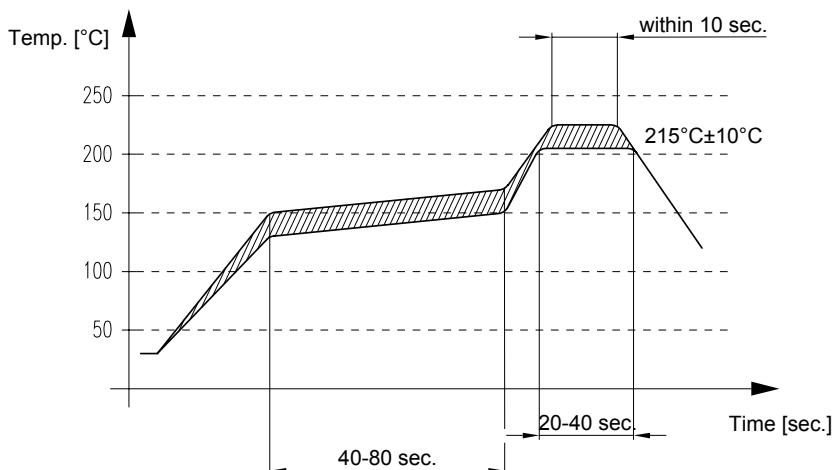
Processing information

ZNr.: 505 (F)

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

Soldering requirements

Soldering type	reflow	
Maximum soldering temperature (measuring point on top surface of the component)	235 (max. 2 sec.) 225 (max. 10 sec.)	$^{\circ}\text{C}$ $^{\circ}\text{C}$

Recommended soldering conditions (infrared):


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Delivery mode

- Blister tape to IEC 286-3, polyester, grey
- Pieces/tape: t.b.d.

t.b.d.

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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.