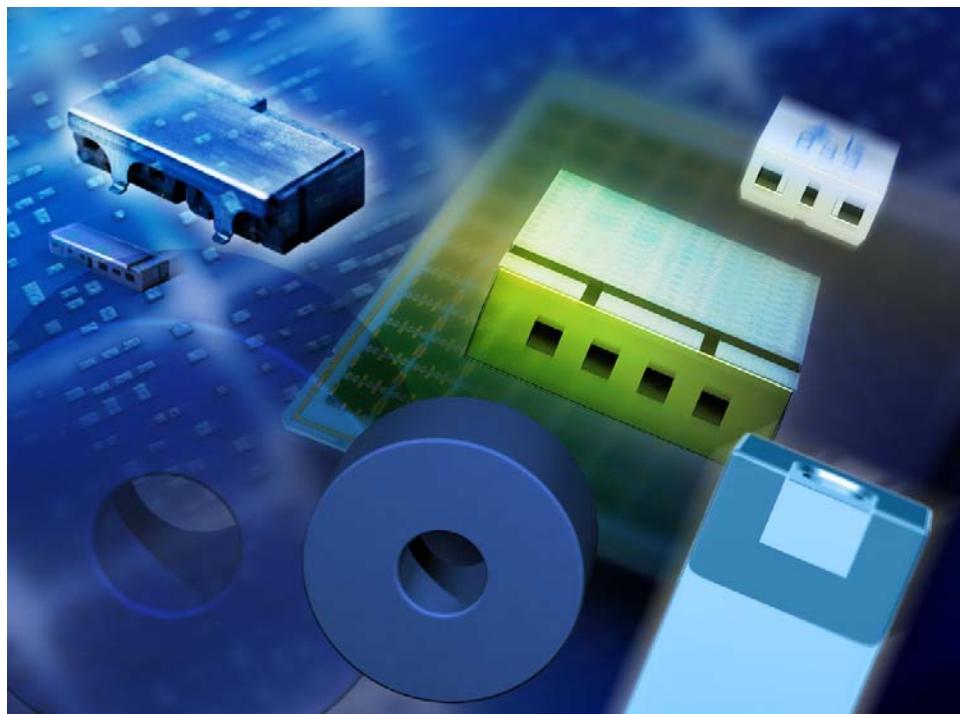


Preliminary datasheet



Features

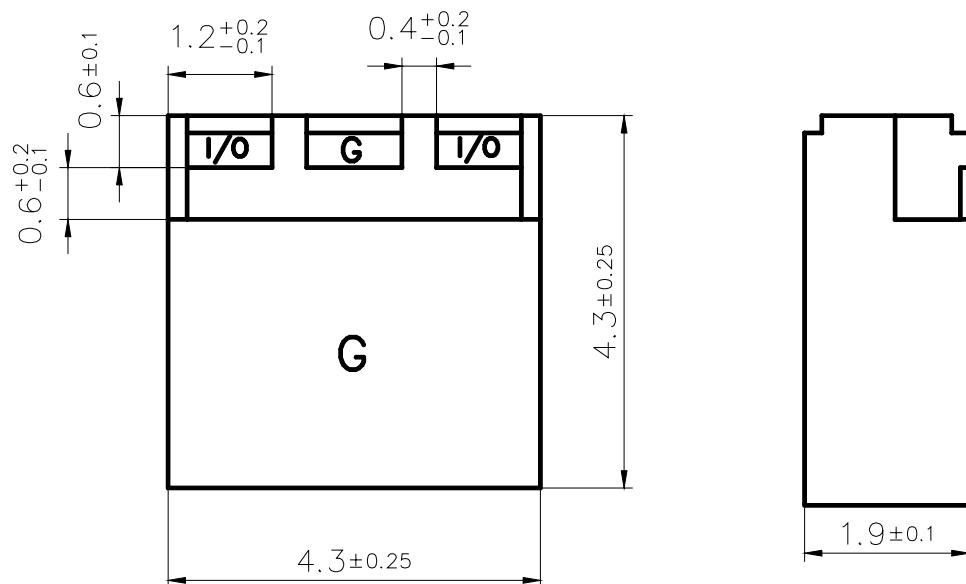
- SMD filter consisting of coupled resonators with stepped impedances
- (NdBa)TiO₃ ($\epsilon_r = 88$ / $TC_f = 0 \pm 10$ ppm/K) with a coating of copper (10 μ m) and tin (>5 μ m)
- Excellent reflow solderability, no migration effect due to copper/tin metallization

Index

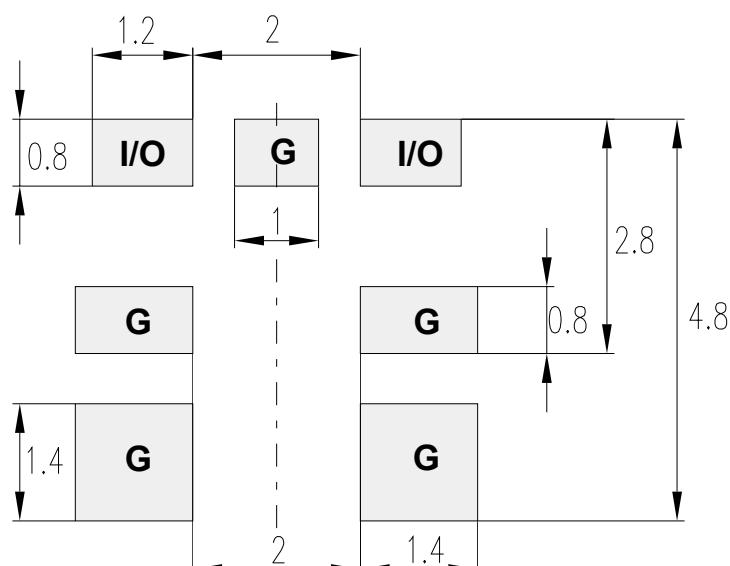
Page 2	<ul style="list-style-type: none">● Component drawing● Recommended footprint
Page 3	<ul style="list-style-type: none">● Characteristics● Maximum ratings● Typical passband characteristic
Page 4	<ul style="list-style-type: none">● Processing information● Soldering requirements● Delivery mode

Component drawing

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View from below onto the solder terminals and view from beside

Recommended footprint

Characteristics

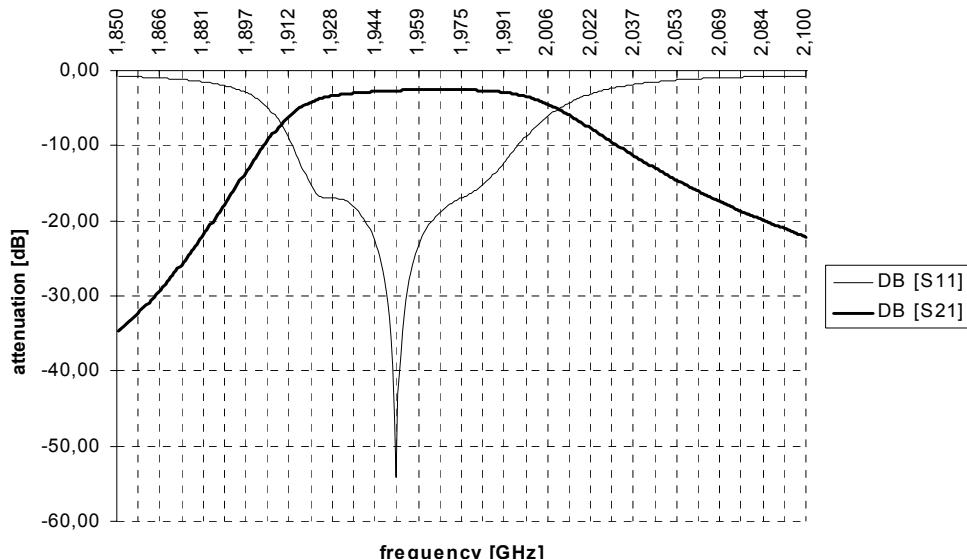
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		min.	typ.	max.	
Center frequency	f_C	-	1960	-	MHz
Insertion loss	α_{IL}		2.7	3.0	dB
Passband	B	60			MHz
Amplitude ripple (peak - peak)	$\Delta\alpha$				dB
Standing wave ratio	SWR		1.8	2.0	
Impedance	Z		50		Ω
Attenuation	α	38	41		dB
at DC to 1500 MHz		35	38		dB
at 1500 to 1830 MHz		6	7		dB
at 1830 to 1910 MHz		5	6		dB
at 2010 to 2070 MHz		15	18.5		dB
at 2070 to 2206 MHz		32	35		dB
at 2206 to 2226 MHz		35	38		dB
at 2226 to 2287 MHz		27	29		dB
at 2287 to 3000 MHz					

Maximum ratings

IEC climatic category (IEC 68-1)	- 40/+ 90/56	
Operating temperature	T_{op} -30 / +85	°C

Typical passband characteristic

Processing information
ZNr.: 599 (FILT95_2)

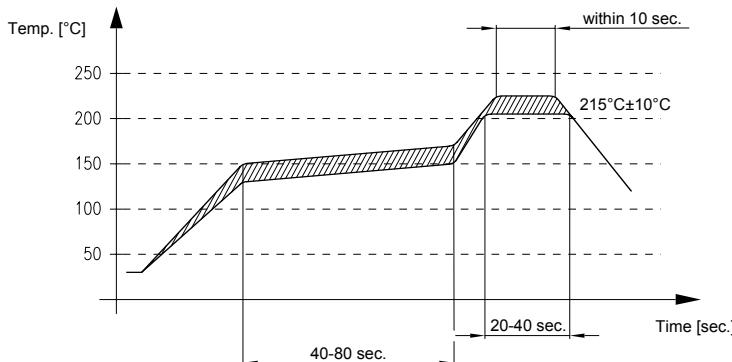
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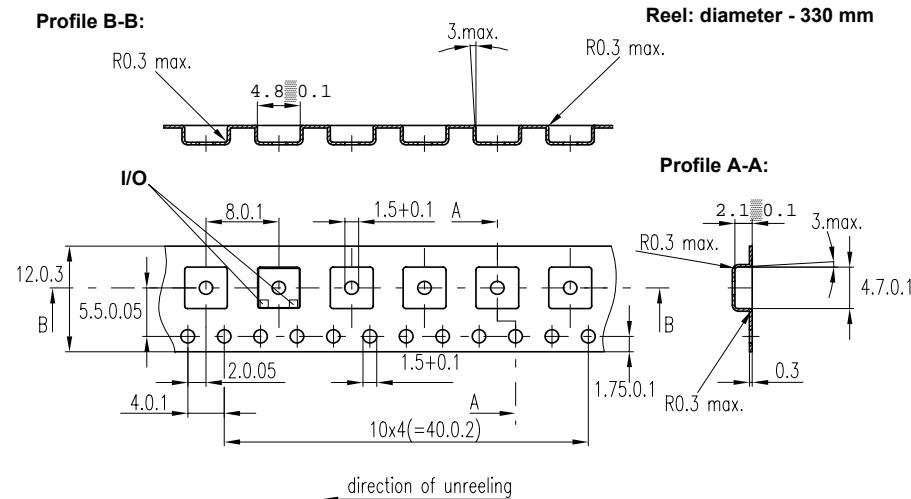
- Wettability to IEC 68-2-58: $\geq 75\%$ (after aging)

Soldering requirements

Soldering type	reflow	
Maximum soldering temperature (measuring point on top surface of the component)	235 (max. 2 sec.) 225 (max. 10 sec.)	°C °C

Recommended soldering conditions (infrared):

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Delivery mode

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


TAPS3P2.DOC

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