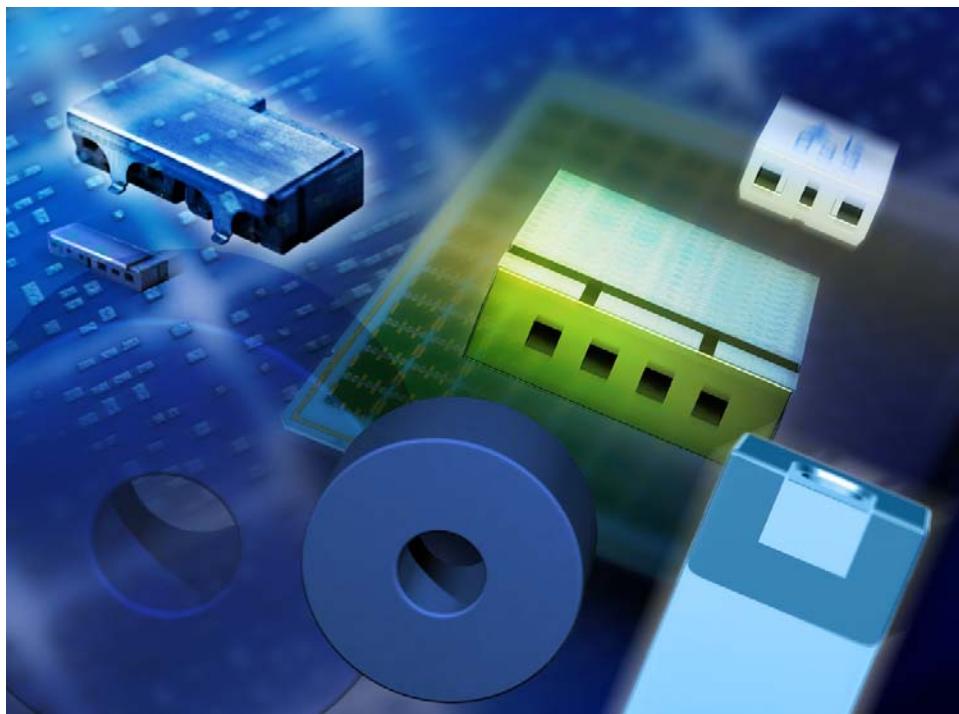


Preliminary Datasheet



Features

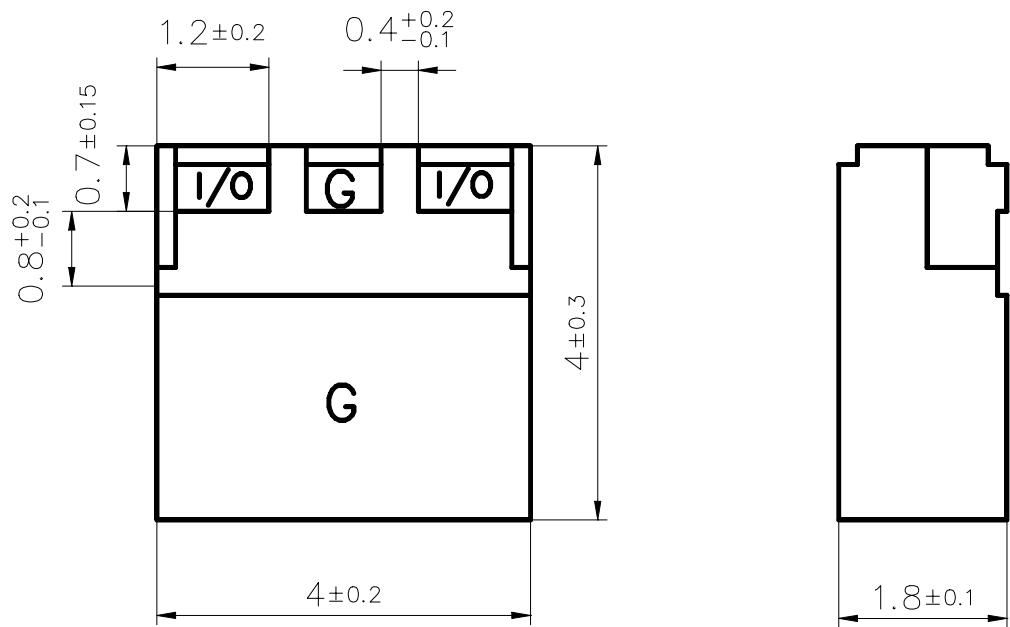
- SMD filter consisting of coupled resonators with stepped impedances
- $(\text{NdBa})\text{TiO}_3$ ($\epsilon_r = 88$ / $TC_f = 0 \pm 10 \text{ ppm/K}$) with a coating of copper ($10\mu\text{m}$) and tin ($>5\mu\text{m}$)
- Excellent reflow solderability, no migration effect due to copper/tin metallization

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 |

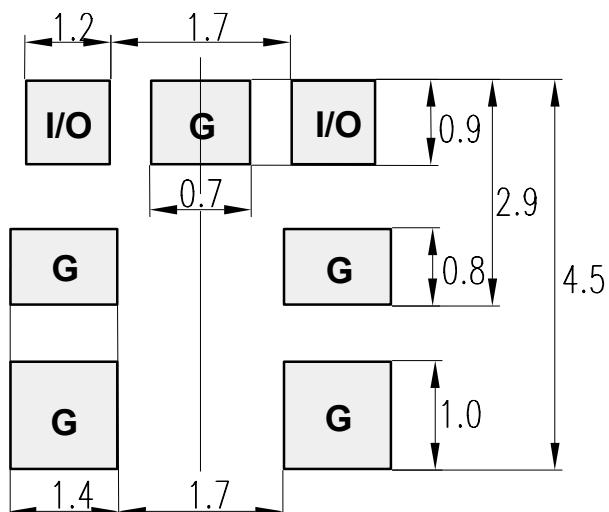
Preliminary Datasheet

Component drawing



View from below onto the solder terminals and view from beside

Recommended footprint



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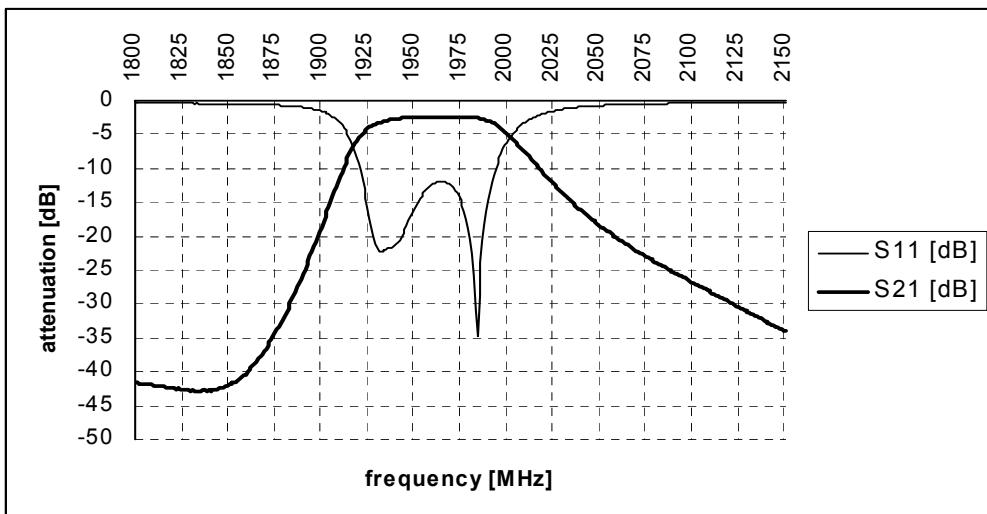
Preliminary Datasheet

Characteristics (items marked with * must still be correlated to customer print, top surface may have additional contact to ground)

		min.	typ.	max.	
Center frequency	f_c	-	1960,0	-	MHz
Insertion loss	α_{IL}		2.9	3.4*	dB
Passband	B	60			MHz
Amplitude ripple (peak - peak)	$\Delta\alpha$		1.2	1.5	dB
Power				15	dBm
Standing wave ratio (S11, S22)	SWR		1.5	2.2	
Impedance	Z		50		Ω
Attenuation	α				
at DC to 1830 MHz		38	40		dB
at 1830 to 1910 MHz		11*			dB
at 2010 to 2020 MHz		7.5*			dB
at 2020 to 2070 MHz		10*			dB
at 2070 to 3000 MHz		18*			dB
at 3000 to 5000 MHz		15			dB

Maximum ratings

IEC climatic category (IEC 68-1)	$-40 / +90/56$	
Storage temperature	$-40 / +85$	
Operating temperature	$-20 / +80$	°C

Typical passband characteristic

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ISSUE DATE	27.08.03	ISSUE	P3	PUBLISHER	SAW MWC PD F	PAGE	3/4
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Preliminary Datasheet

Processing information

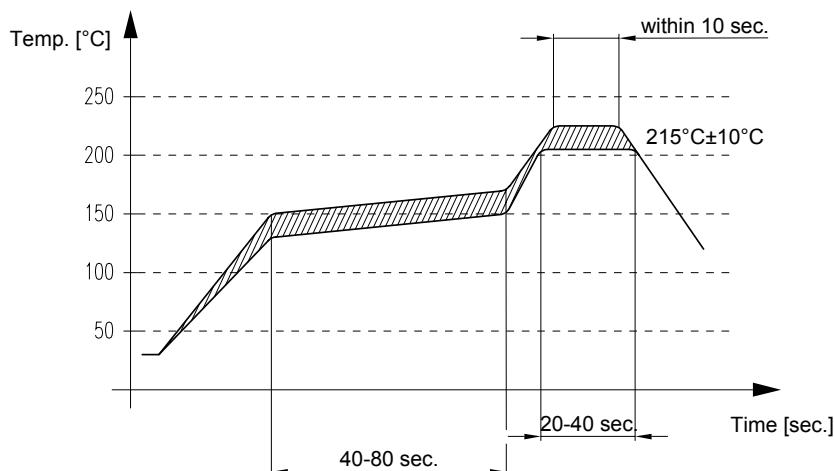
ZNr.: 452 (FILT95_2)

- 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):



LOETPROF.DOC

Delivery mode

- Blister tape acc. to IEC 286-3, polystyrol, grey
- Pieces/ tape: 3000

t.b.d.

S2P3.DOC

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ISSUE DATE	27.08.03	ISSUE	P3	PUBLISHER	SAW MWC PD F	PAGE	4/4
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