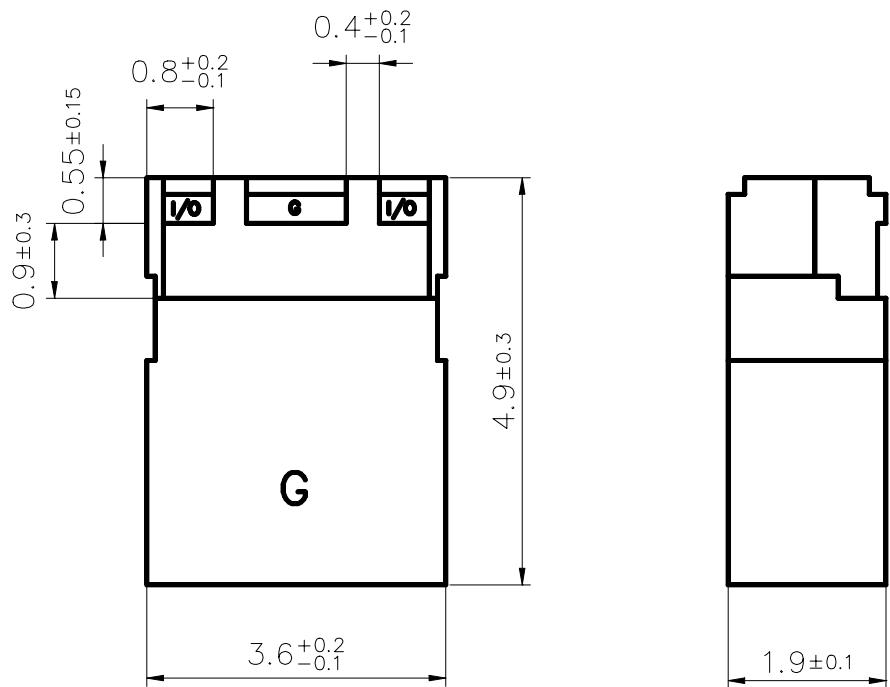


Features

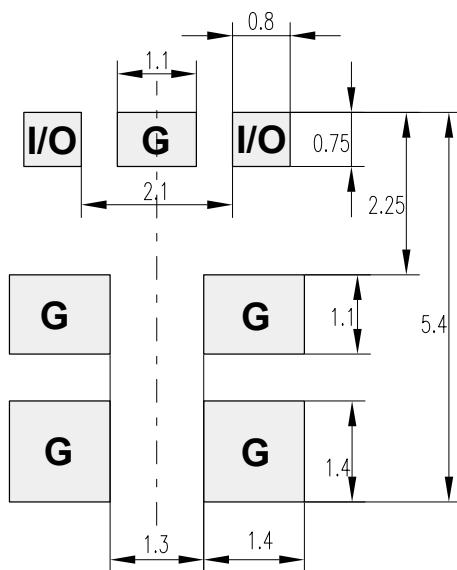
- SMD filter consisting of coupled resonators with stepped impedances
- $(\text{NdBa})\text{TiO}_3$ ($\epsilon_r = 88$ / $TC_f = 0 \pm 10 \text{ ppm/K}$) with a coating of copper ($10\mu\text{m}$) and tin ($>5\mu\text{m}$)
- Excellent reflow solderability, no migration effect due to copper/tin metallization

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



View from below onto the solder terminals and view from beside
Recommended footprint

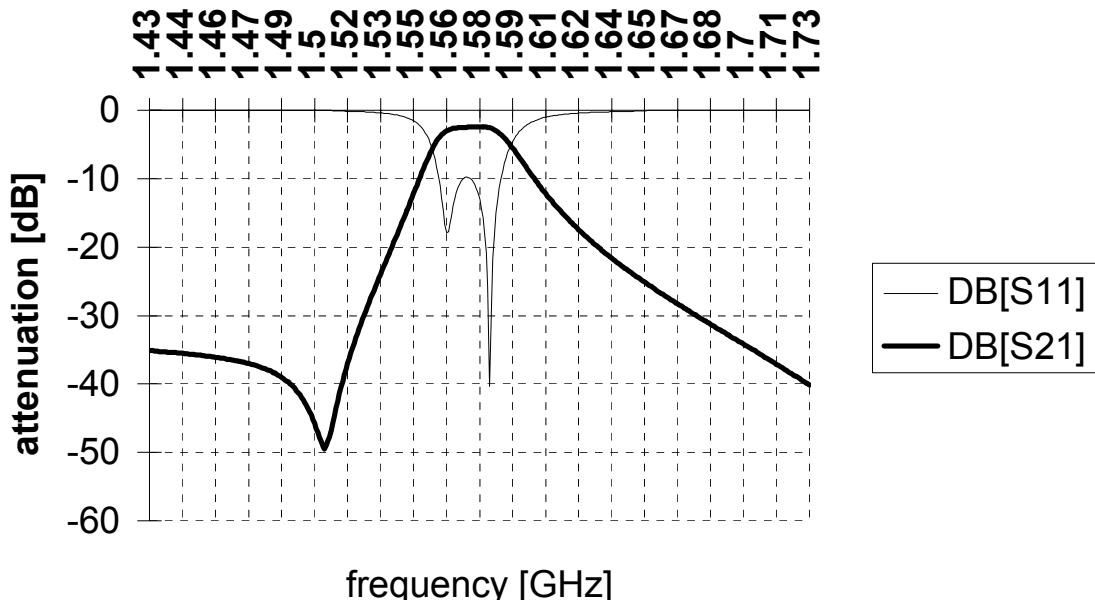


Microwave Ceramics and Modules
Filter
2-Pol Filter for GPS
B69812N1577C303
Datasheet Standard
Characteristics

		min.	typ.	max.	
Center frequency	f_c	-	1575	-	MHz
Insertion loss	α_{IL}		2.9	3.2	dB
Passband	B	3.0			MHz
Amplitude ripple (peak - peak)	$\Delta\alpha$		0.2	0.5	dB
Standing wave ratio	SWR		1.5	2.0	
Impedance	Z		50		Ω
Attenuation	α				
at < 1490 MHz		30	35		dB
at 1525 MHz		18			dB
at 1625 MHz		16			dB

Maximum ratings

IEC climatic category (IEC 68-1)	- 40/+ 90/56	
Operating temperature	T_{op} 0 / + 55	°C

Typical Passband Characteristics


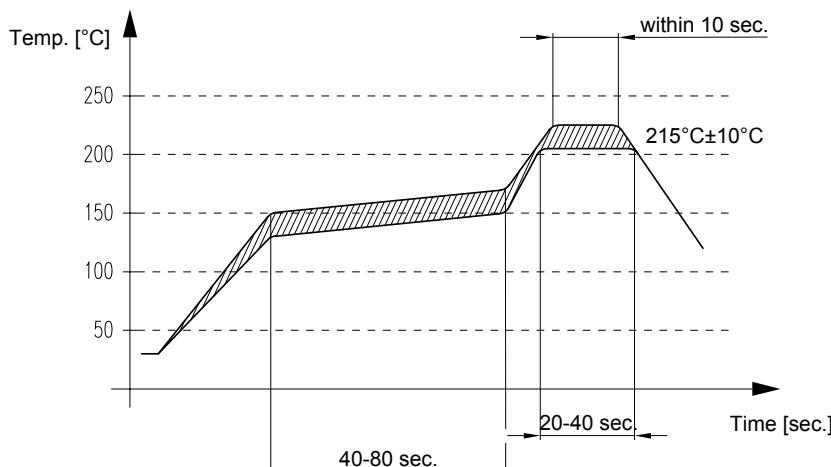
Datasheet Standard
Processing information

ZNr.: 668 (FILT95_2)

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

Soldering requirements

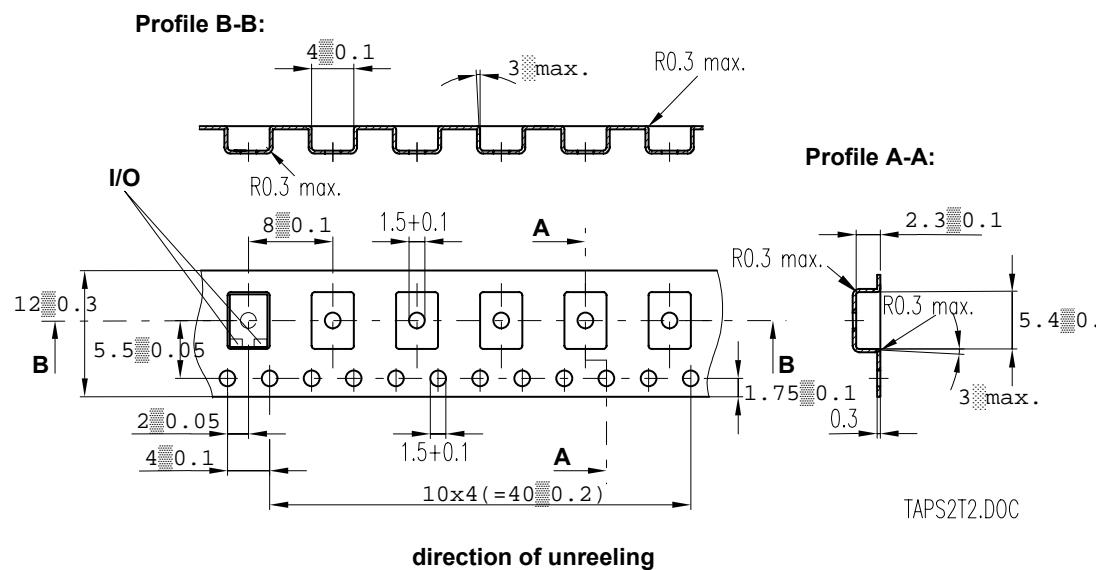
Soldering type	reflow	
Maximum soldering temperature (measuring point on top surface of the component)	235 (max. 2 sec.) 225 (max. 10 sec.)	$^{\circ}\text{C}$ $^{\circ}\text{C}$

Recommended soldering conditions (infrared):


LOETPROF.DOC

Delivery mode

- Blister tape to IEC 286-3, polyester, grey
- Pieces/tape: 3000



TAPS2T2.DOC

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