

### Features

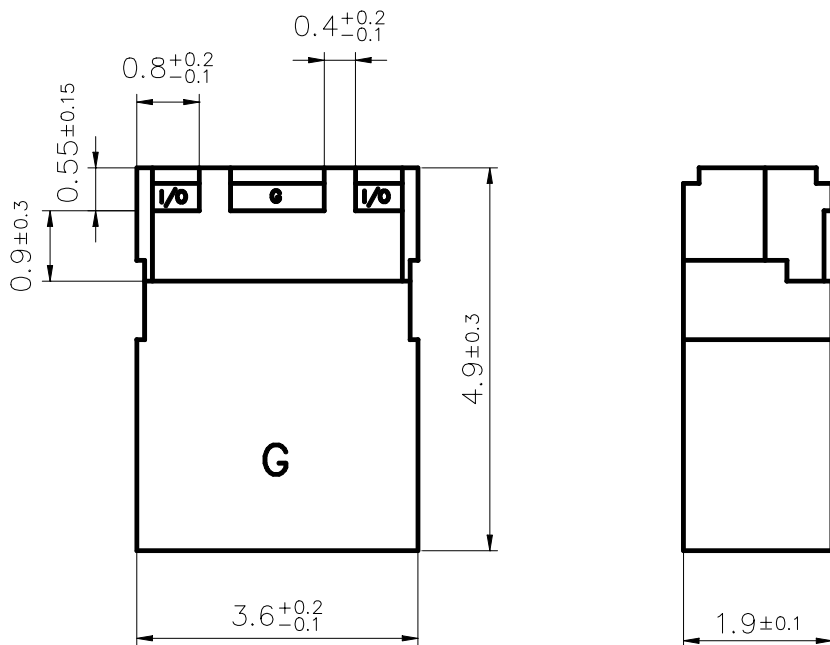
- SMD filter consisting of coupled resonators with stepped impedances
- $(\text{NdBa})\text{TiO}_3$  ( $\epsilon_r = 88$  /  $TC_f = 0 \pm 10$  ppm/K) with a coating of copper ( $10\mu\text{m}$ ) and tin ( $>5\mu\text{m}$ )
- Excellent reflow solderability, no migration effect due to copper/tin metallization

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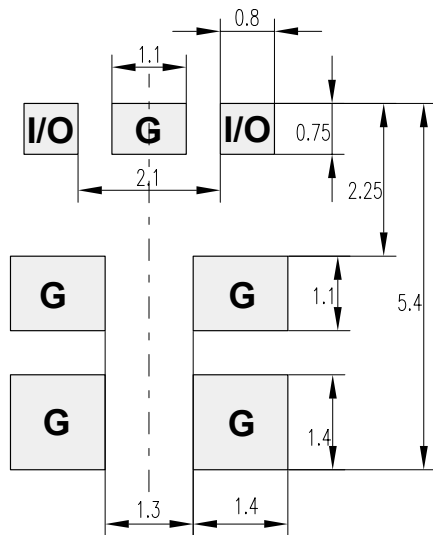
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**Datasheet Standard  
Component drawing**



View from below onto the solder terminals and view from beside

**Recommended footprint**



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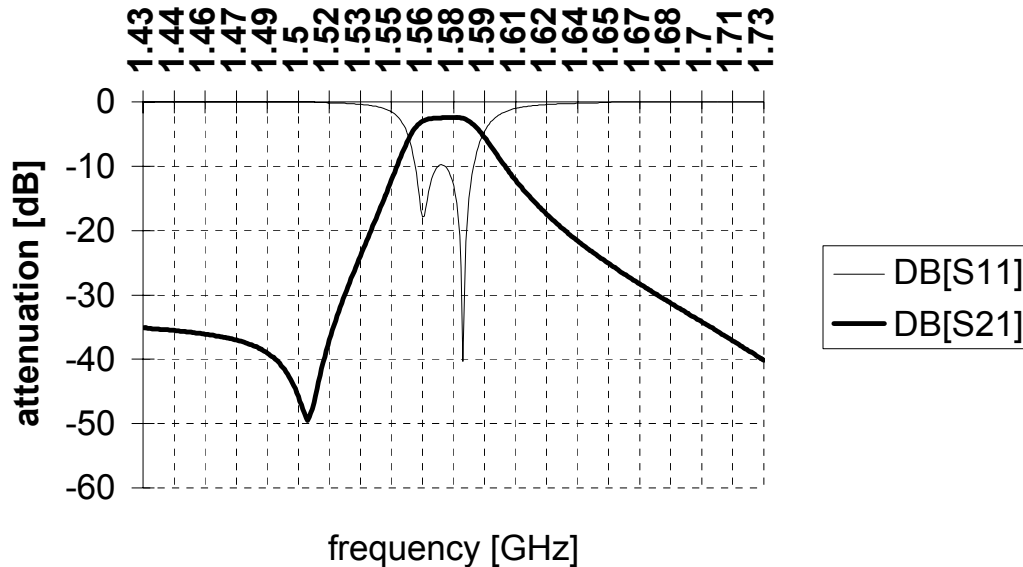
Characteristics

		min.	typ.	max.	
Center frequency	$f_c$	-	1575	-	MHz
Insertion loss	$\alpha_{IL}$		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		$\Omega$
Attenuation					
	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



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Datasheet Standard

Processing information

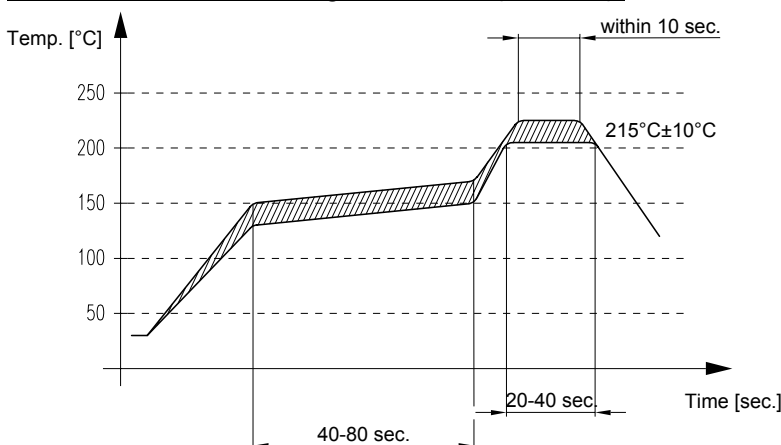
ZNr.: 668 (FILT95\_2)

- 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.)	$^{\circ}\text{C}$ $^{\circ}\text{C}$

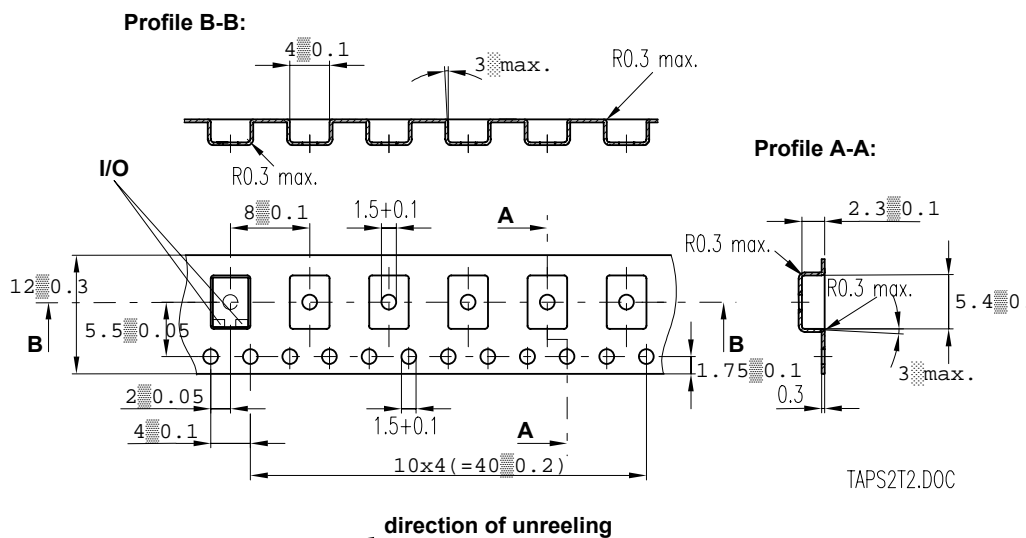
Recommended soldering conditions (infrared):



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Delivery mode

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



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