

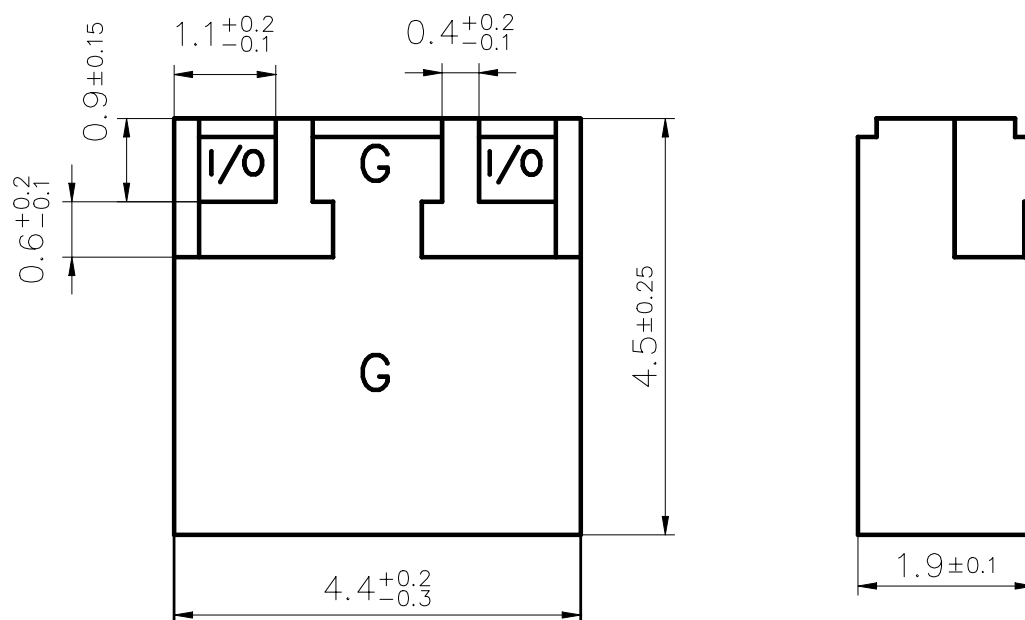
## Features

- SMD filter consisting of coupled resonators with stepped impedances
- (NdBa)TiO<sub>3</sub> ( $\epsilon_r = 88$  /  $TC_f = 0 \pm 10$  ppm/K) with a coating of copper (10 $\mu$ m) and tin (>5 $\mu$ m)
- Excellent reflow solderability, no migration effect due to copper/tin metallization

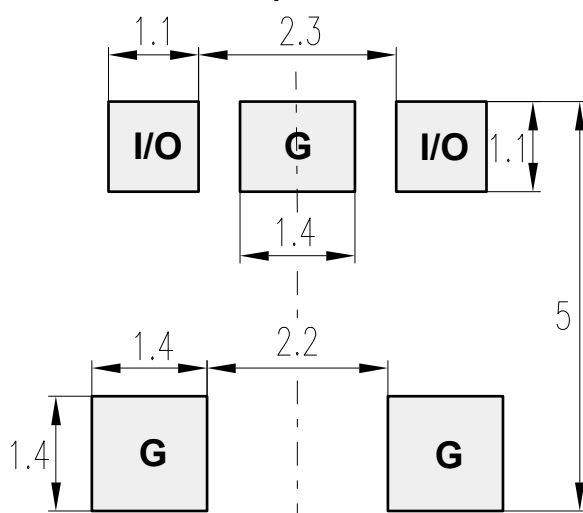
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**Preliminary datasheet**
**Component drawing**


View from below onto the solder terminals and view from beside

**Recommended footprint**


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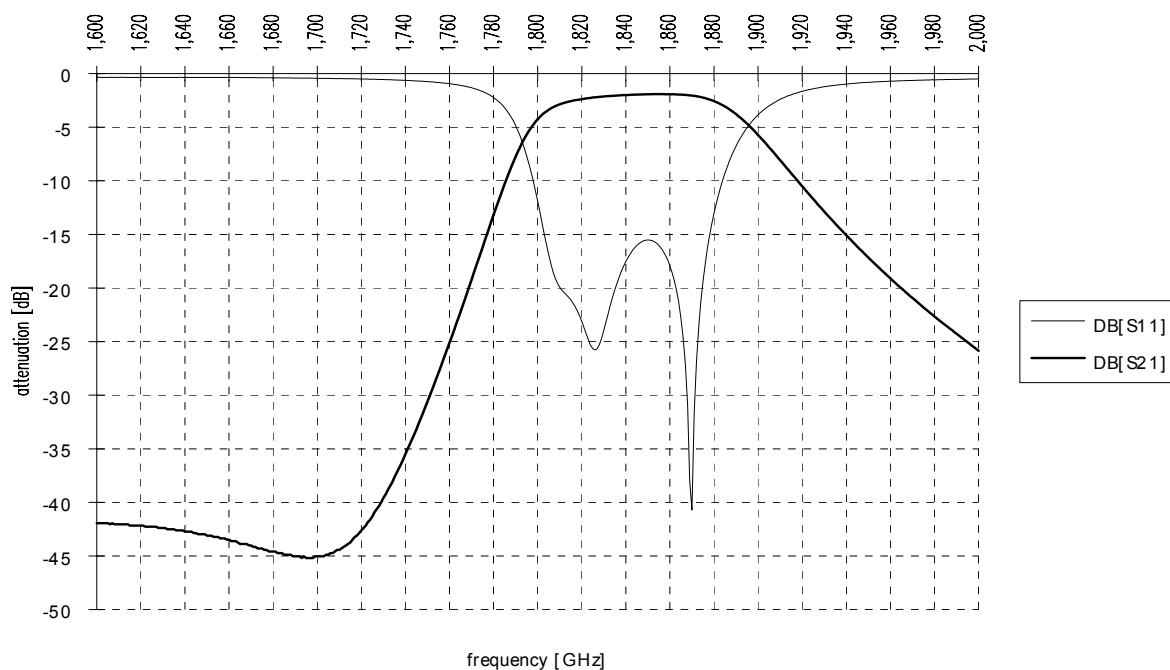
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**Preliminary datasheet**
**Characteristics**

		min.	typ.	max.	
Center frequency	$f_c$	-	1842.5	-	MHz
Insertion loss	$\alpha_{IL}$		2.8	3.2	dB
Passband	$B$	75			MHz
Amplitude ripple (peak - peak)	$\Delta\alpha$		1.2	1.5	dB
Standing wave ratio	$SWR$		1.4	2.0	
Impedance	$Z$		50		$\Omega$
Attenuation	$\alpha$				
	at DC to 1600 MHz	35	40		dB
	at 1785 MHz	10	12		dB
	at 1920 MHz	10	12		dB
	at 2000 to 2500 MHz	20	30		dB

**Maximum ratings**

IEC climatic category (IEC 68-1)		- 40/+ 90/56	
Operating temperature	$T_{op}$	-25 / +75	°C

**Typical passband characteristic**


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Preliminary datasheet

Processing information

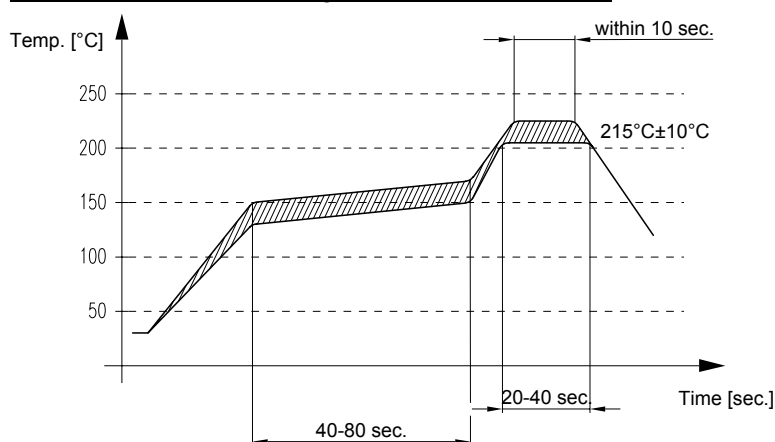
ZNr.: 550 (FILT95\_2)

- 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.)	°C °C

Recommended soldering conditions (infrared):

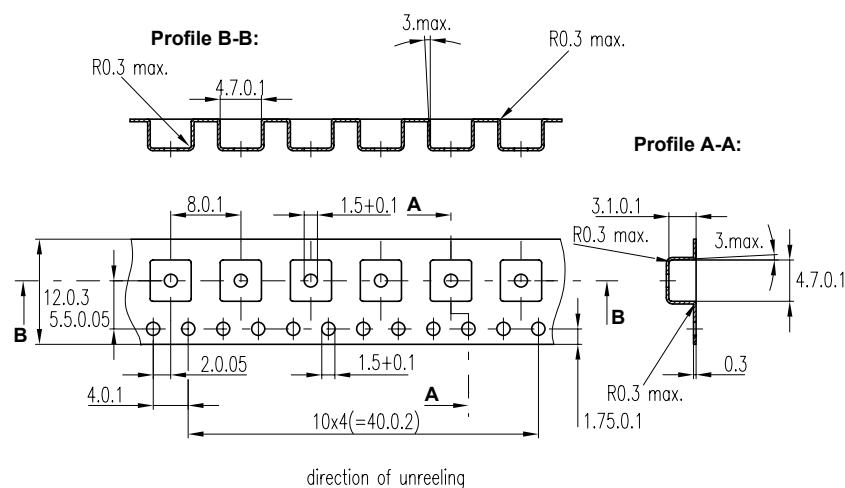


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Delivery mode

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

Reel: diameter – 330 mm



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