



## Features

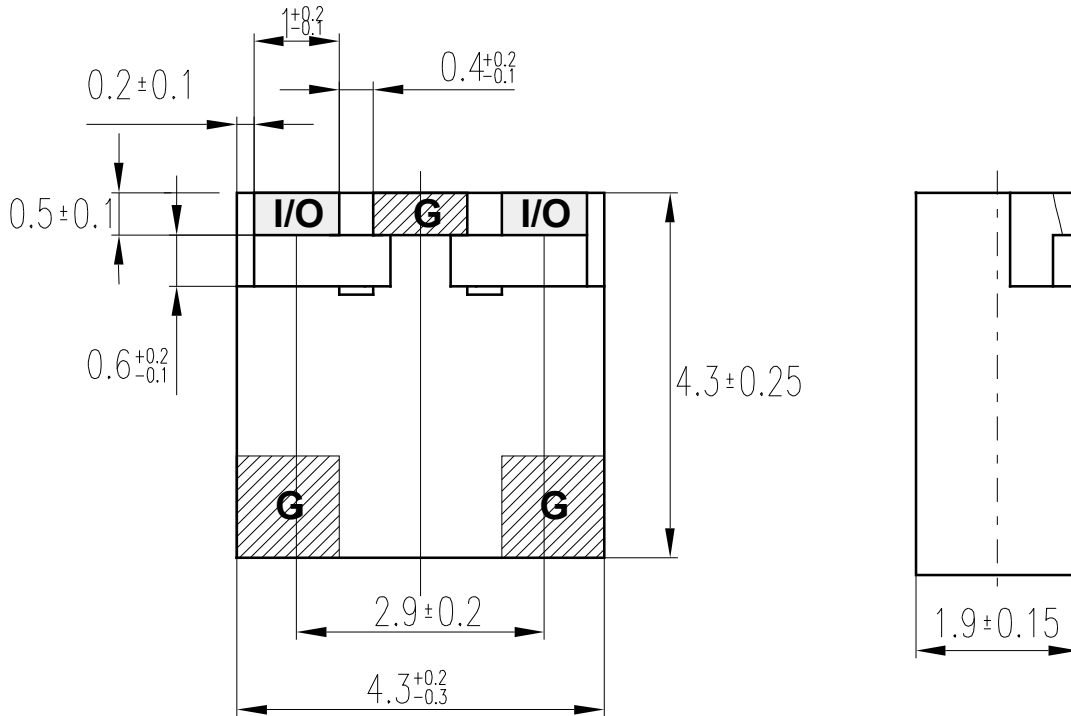
- SMD filter consisting of coupled resonators with stepped impedances
- (NdBa)TiO<sub>3</sub> ( $\epsilon_r = 88$  /  $TC_f = 0 \pm 10$  ppm/K) with a coating of copper (10 $\mu$ m) and tin (>5 $\mu$ m)
- Excellent reflow solderability, no migration effect due to copper/tin metallization

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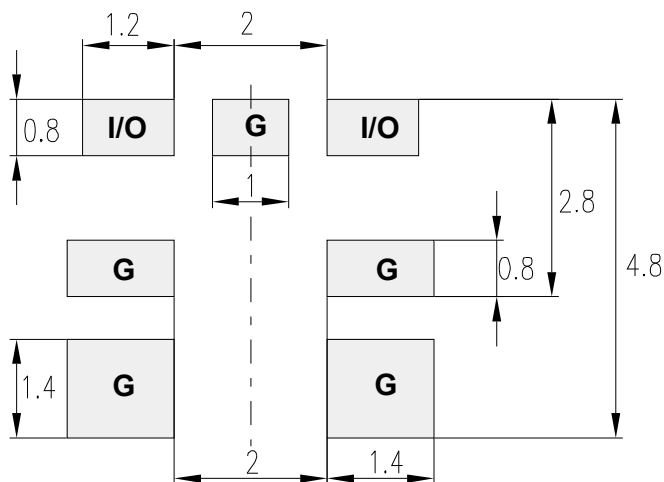
Component drawing



View from below onto the solder terminals and view from beside

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Recommended footprint



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Preliminary datasheet

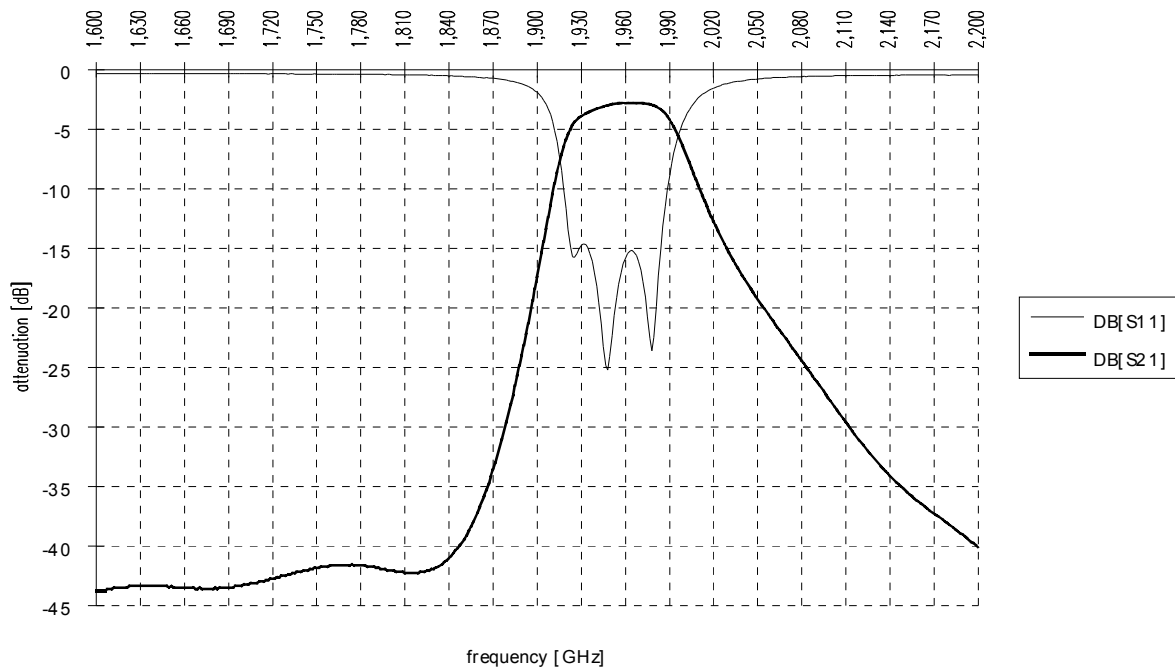
Characteristics

		min.	typ.	max.	
Center frequency	$f_c$	-	1960	-	MHz
Insertion loss	$\alpha_{IL}$		3.4	3.7	dB
Passband	$B$	60			MHz
Amplitude ripple (peak - peak)	$\Delta\alpha$		1.2	1.5	dB
Standing wave ratio	$SWR$		1.6	2.2	
Impedance	$Z$		50		$\Omega$
Attenuation	at DC to 1800 MHz at 1910 MHz at 2010 MHz		35	40	dB
			10	11	dB
			9.0	9.5	dB

Maximum ratings

IEC climatic category (IEC 68-1)		- 40/+ 90/56	
Operating temperature	$T_{op}$	- 20 / + 75	°C

Typical passband characteristic



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Preliminary datasheet

Processing information

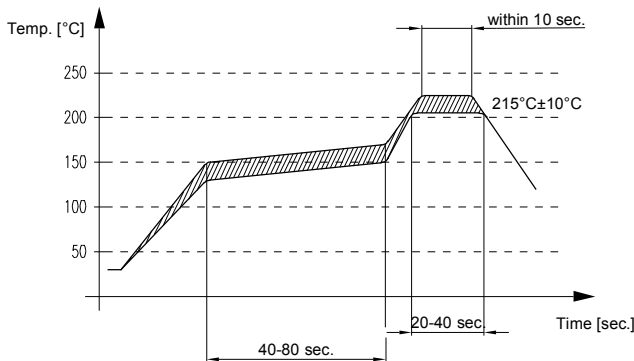
ZNr.: 600 (FILT95\_2)

- 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):

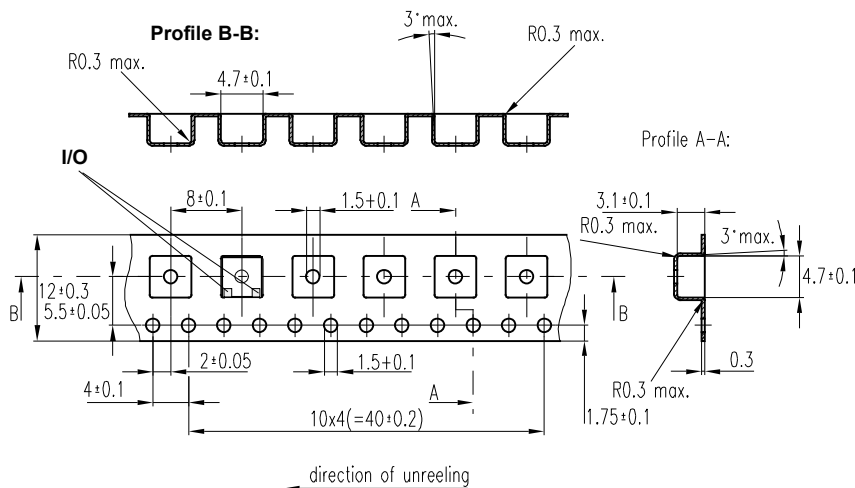


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Delivery mode

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

Reel: diameter - 330 mm



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