

Features

- SMD filter consisting of coupled resonators with stepped impedances
- (NdBa)TiO₃ ($\epsilon_r = 88$ / $TC_f = 0 \pm 10$ ppm/K) with a coating of copper (10 μ m) and tin (>5 μ m)
- Excellent reflow solderability, no migration effect due to copper/tin metallization

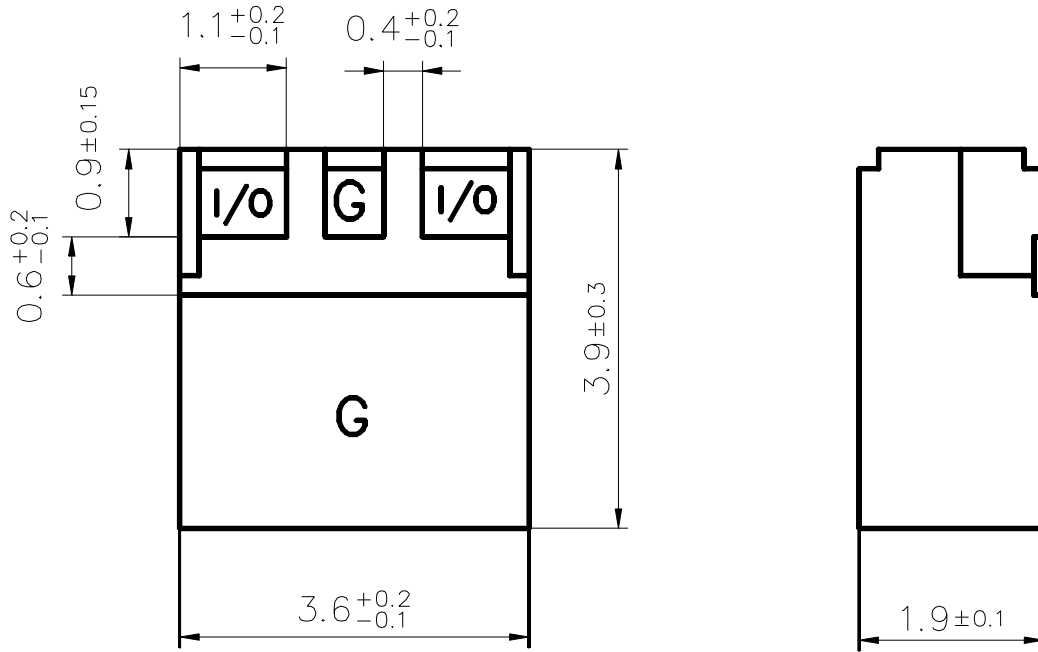
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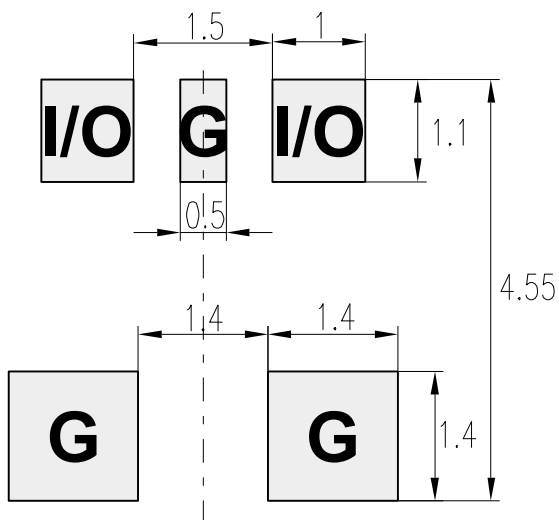
Datasheet Standard

Component drawing



View from below onto the solder terminals and view from beside

Recommended footprint



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Datasheet Standard

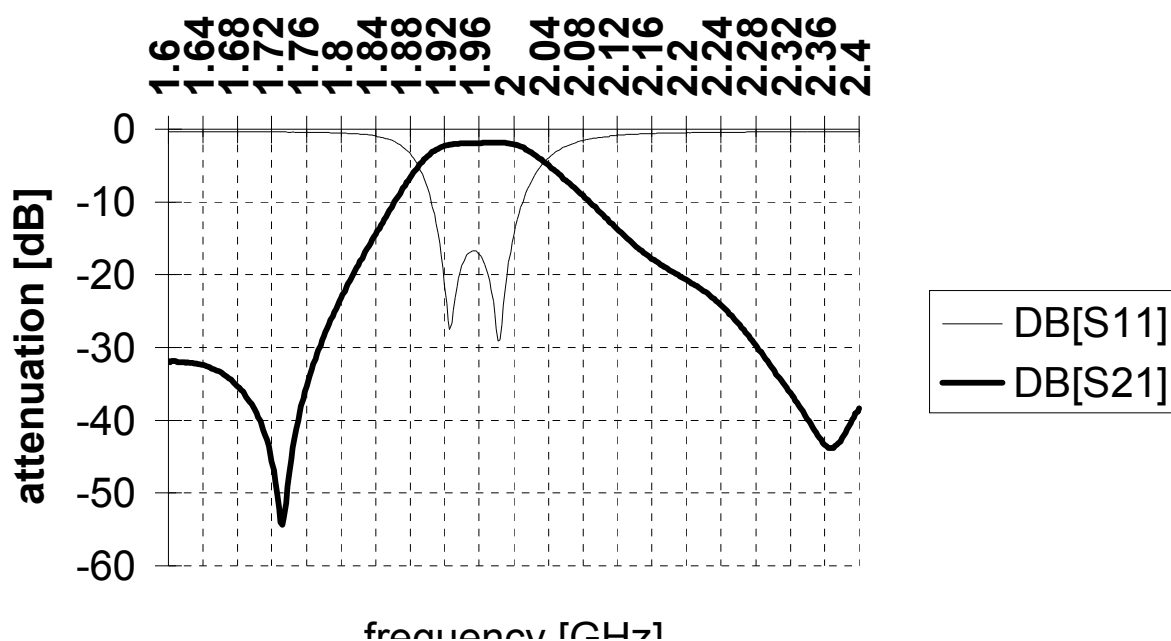
Characteristics

		min.	typ.	max.		
Center frequency	f_C	-	1960.0	-	MHz	
Insertion loss	α_{IL}		1.1	1.5	dB	
Passband	B	60			MHz	
Amplitude ripple (peak - peak)	$\Delta\alpha$		0.3	0.5	dB	
Standing wave ratio	SWR		1.5	2.0		
Impedance	Z		50		Ω	
Power	P			1.0	W	
Attenuation		α	at DC to 1600 MHz	32	35	dB
			at 1600 to 1830 MHz	15	17	dB
			at 1830 to 1910 MHz	2.5	3	dB
			at 2030 to 2090 MHz	2.5	3	dB
			at 2090 to 3200 MHz	10	12	dB

Maximum ratings

IEC climatic category (IEC 68-1)		- 40/+ 90/56	
Operating temperature	T_{op}	- 20 / + 80	$^{\circ}C$

Typical passband characteristic



Datasheet Standard

Processing information

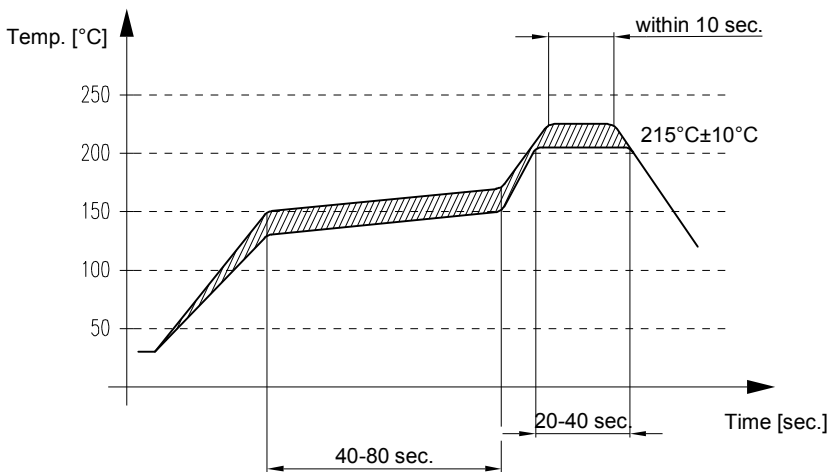
ZNr.: 577 (F)

- 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):

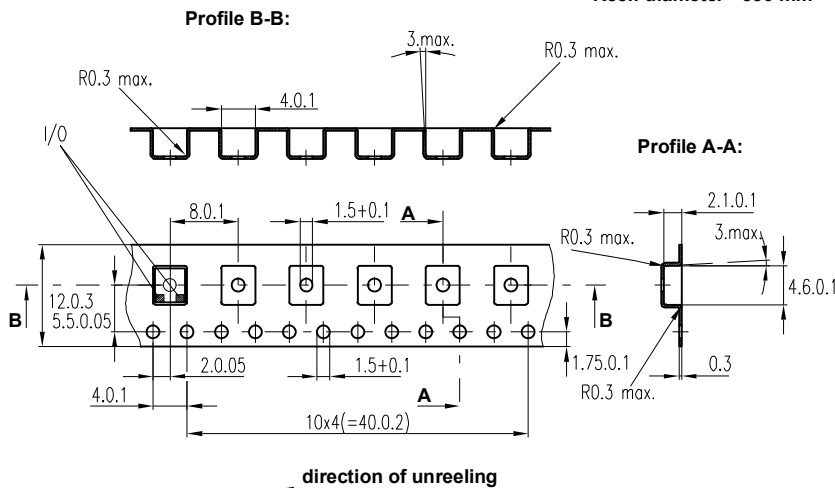


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Delivery mode

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

Reel: diameter - 330 mm



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The information contained in this data sheet describes the type of component and shall not be considered as guaranteed characteristics. Purchase orders are subject to the General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry recommended by the ZVEI (German Electrical and Electronic Manufacturers' Association), unless otherwise agreed.

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