

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

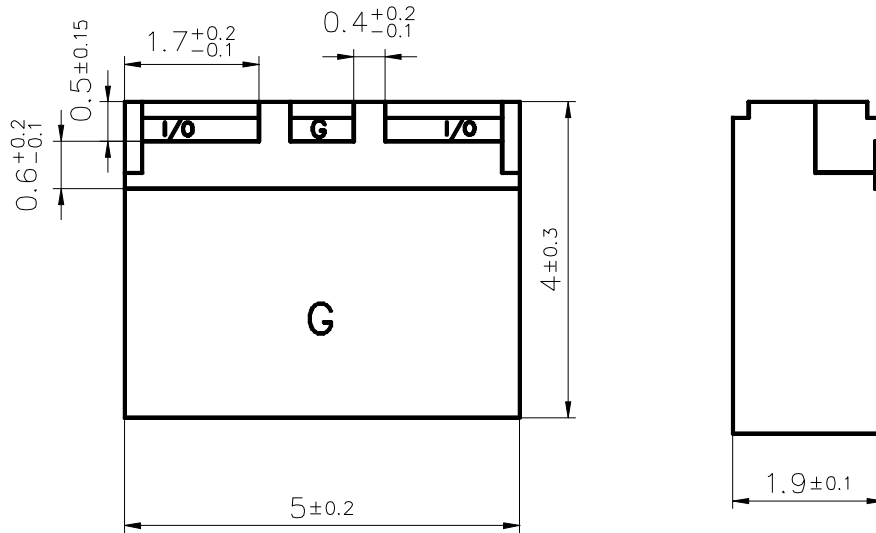
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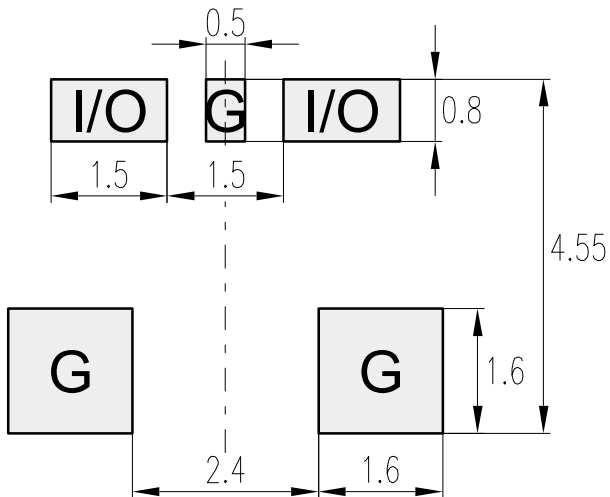
Preliminary Datasheet

Component drawing



View from below onto the solder terminals and view from beside

Recommended footprint



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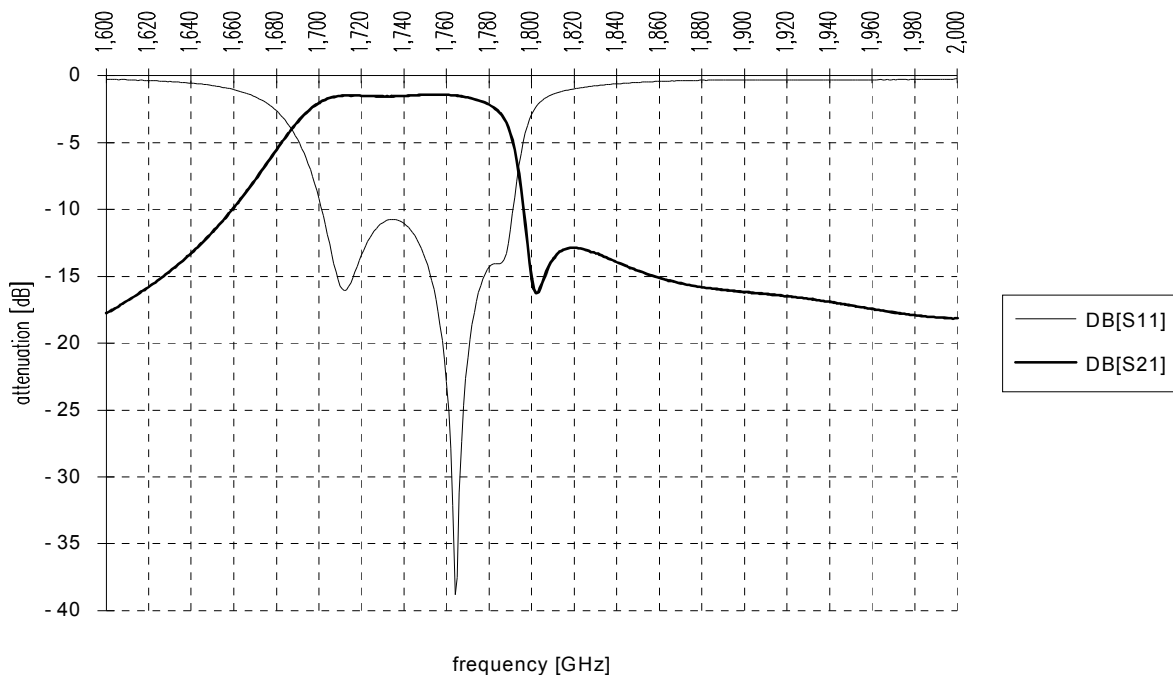
Characteristics

		min.	typ.	max.	
Center frequency	f_c	-	1747.5	-	MHz
Insertion loss	$\alpha_{ L}$		3.2	3.8	DB
Passband	B	75			MHz
Amplitude ripple (peak - peak)	$\Delta\alpha$		1.0	2.0	DB
Standing wave ratio	SWR		1.5	2.0	
Impedance	Z		50		Ω
Power	P			15	dBm
Attenuation	α	at 1546 to 1621 MHz	12	19	DB
		at 1805 to 1880 MHz	12	15	DB

Maximum ratings

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

Typical passband characteristic



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Preliminary Datasheet

ZNr.: 448 (FILT95_2)

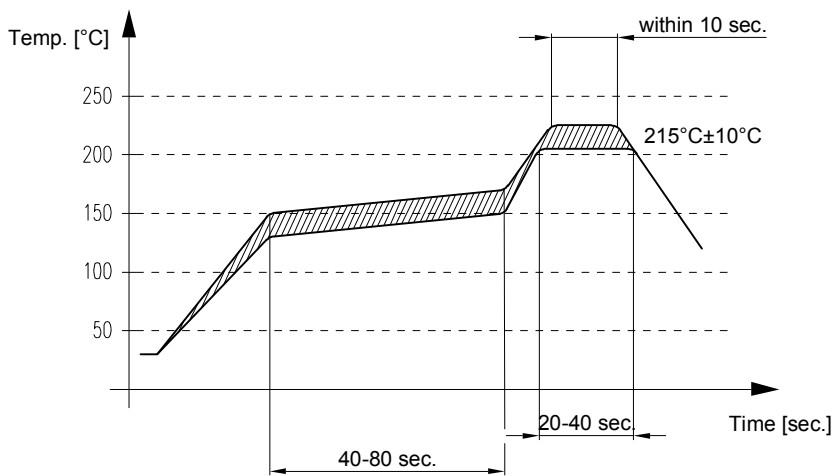
Processing information

- 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: t.b.d.

t.b.d.

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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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