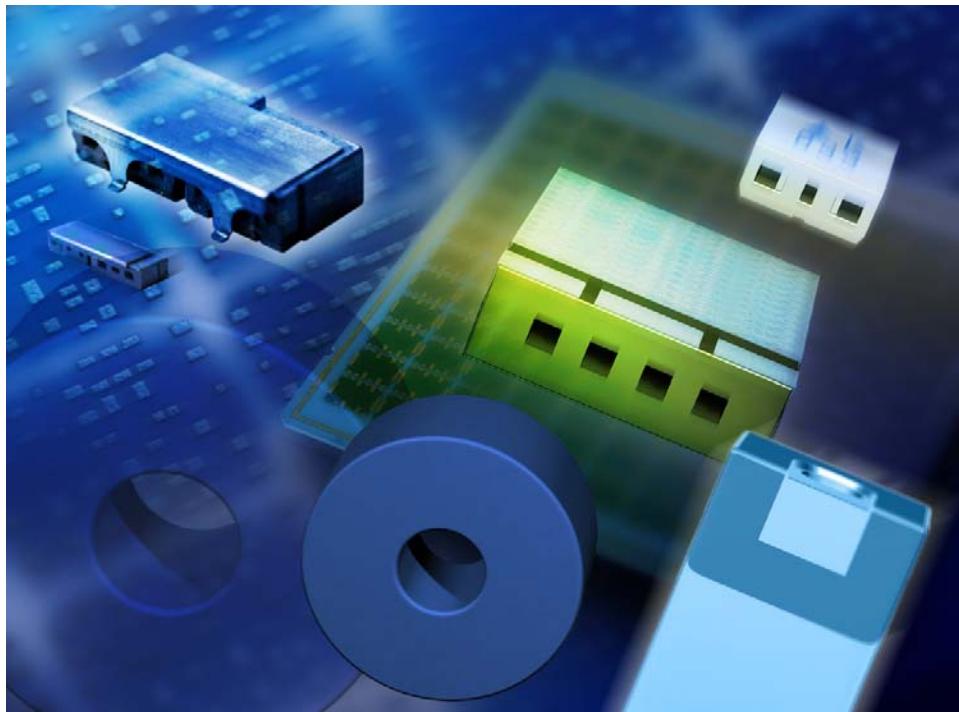


Preliminary Datasheet

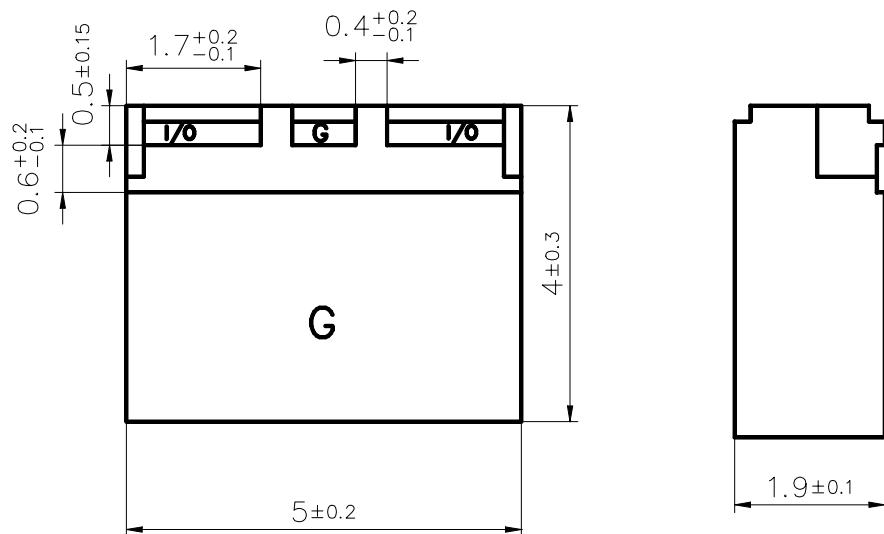


**Features**

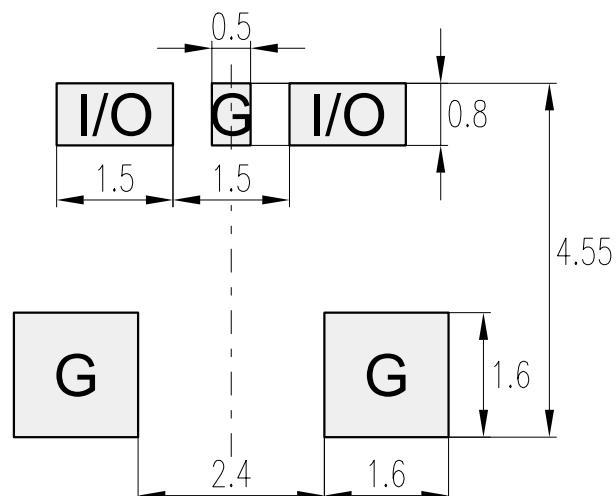
- SMD filter consisting of coupled resonators with stepped impedances
- $(\text{NdBa})\text{TiO}_3$  ( $\epsilon_r = 88$  /  $TC_f = 0 \pm 10 \text{ ppm/K}$ ) with a coating of copper ( $10\mu\text{m}$ ) and tin ( $>5\mu\text{m}$ )
- Excellent reflow solderability, no migration effect due to copper/tin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

**Index**

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**Preliminary Datasheet**
**Component drawing**


View from below onto the solder terminals and view from beside

**Recommended footprint**


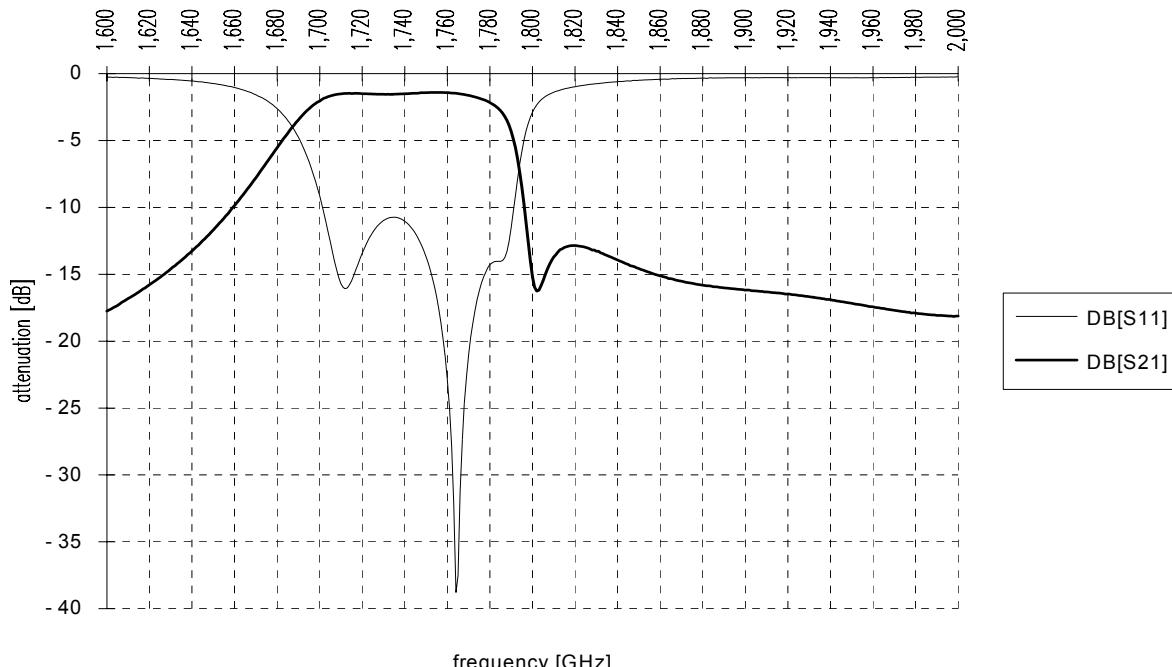
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**Preliminary Datasheet**
**Characteristics**

		min.	typ.	max.	
Center frequency	$f_c$	-	1747.5	-	MHz
Insertion loss	$\alpha_{IL}$		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		$\Omega$
Power	$P$			15	dBm
Attenuation					DB
at 1546 to 1621 MHz	$\alpha$	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**


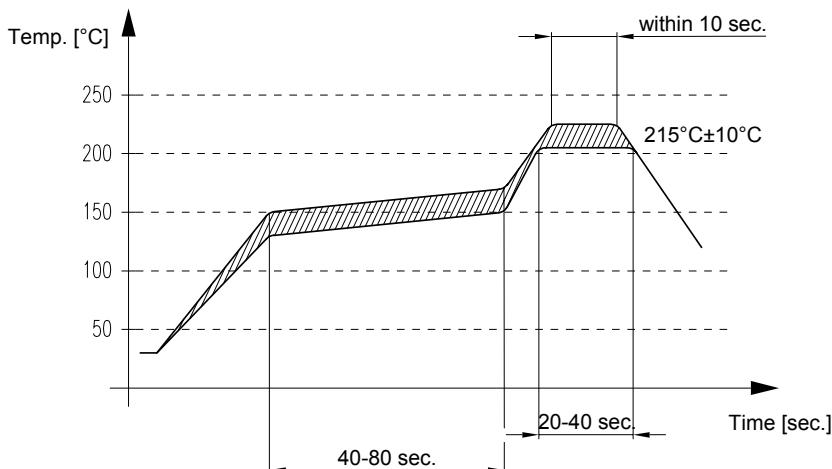
**Preliminary Datasheet**
**Processing information**

ZNr.: 448 (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: 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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