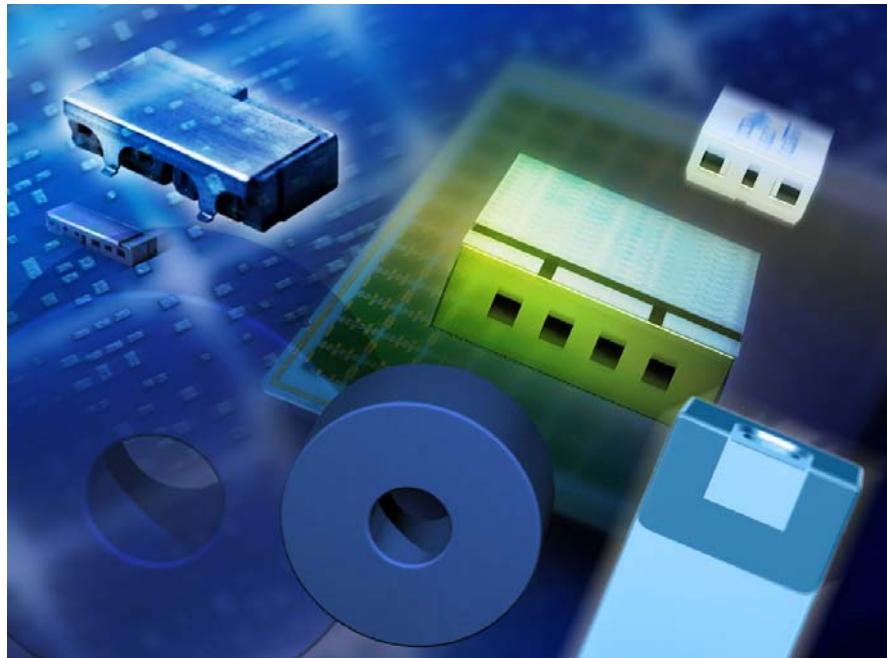


Preliminary Datasheet

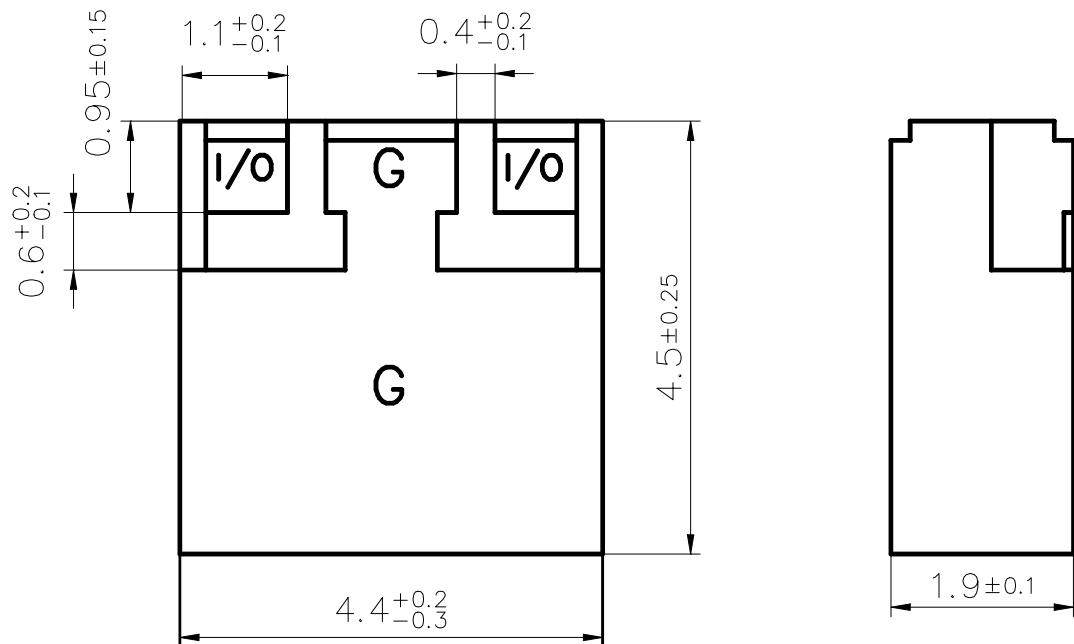


## Features

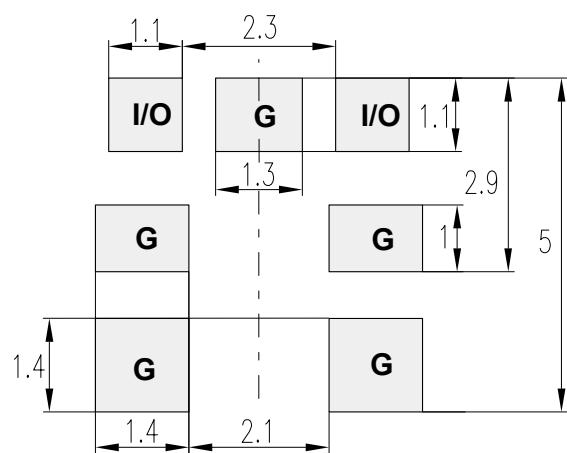
- SMD filter consisting of coupled resonators with stepped impedances
- $(\text{NdBa})\text{TiO}_3$  ( $\epsilon_r = 88$  /  $TC_f = 0 \pm 10 \text{ ppm/K}$ ) with a coating of copper ( $10\mu\text{m}$ ) and tin ( $>5\mu\text{m}$ )
- Excellent reflow solderability, no migration effect due to copper/tin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

## Index

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


View from below onto the solder terminals and view from beside

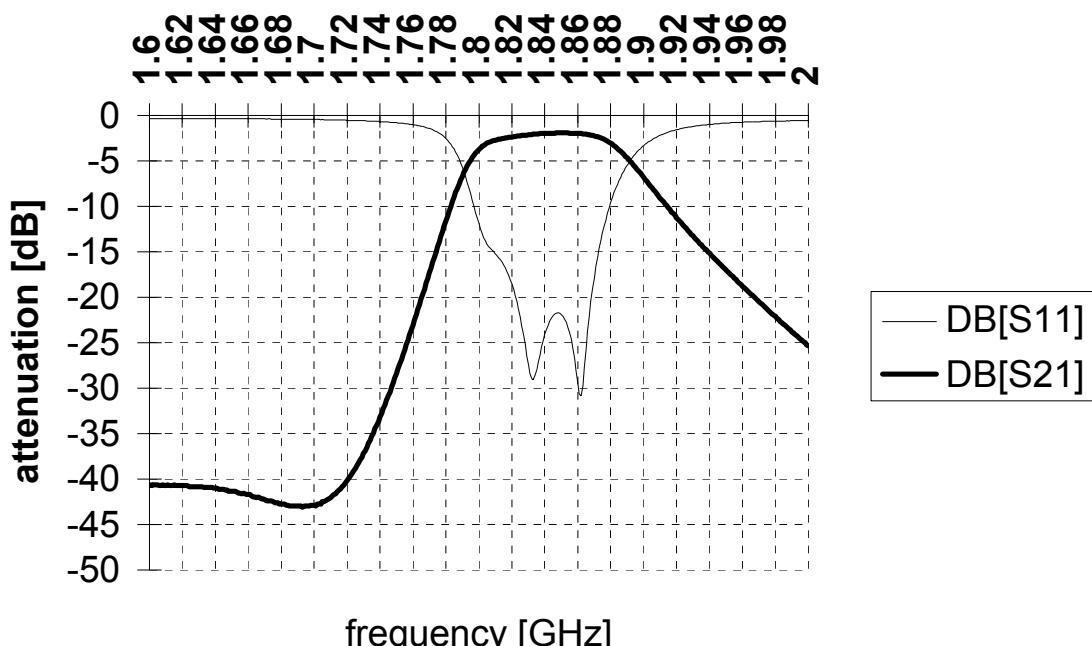
**Recommended footprint**


**Preliminary Datasheet**
**Characteristics ( items marked with \* must still be correlated to customer print,  
top surface may have additional contact to ground )**

		<b>min.</b>	<b>typ.</b>	<b>max.</b>	
Center frequency	$f_c$	-	1842.5	-	MHz
Insertion loss	$\alpha_{II}$		2.3	2.8	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 1430 MHz		38	42		dB
at 1430 to 1742 MHz		18	23		dB
at 1785 MHz		8	9		dB
at 1920 to 1942 MHz		10	12		dB
at 1942 to 2000 MHz		13	16		dB
at 2000 to 2245 MHz		24	30		dB
at 2245 to 3000 MHz		15	18		dB

**Maximum ratings**

IEC climatic category (IEC 68-1)	- 40 / + 90/56	
Storage temperature	- 40 / + 85	
Operating temperature	- 25 / + 75	°C

**Typical Passband Characteristics**


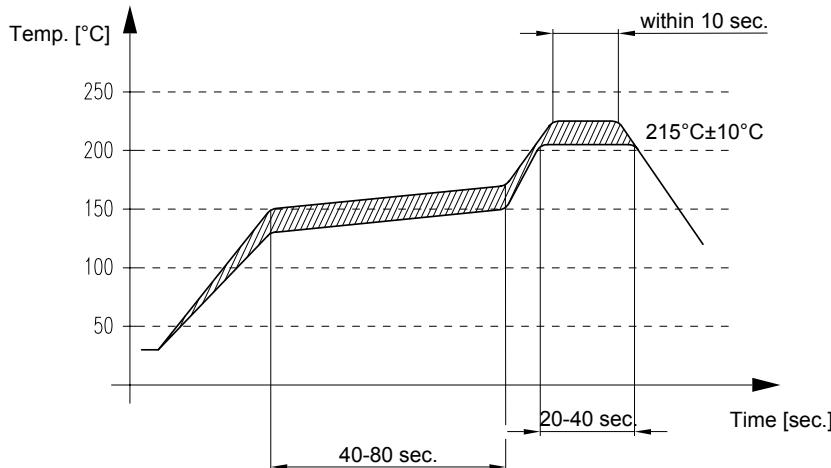
**Preliminary Datasheet**
**Processing information**

ZNr.: 452 (FILT95\_2)

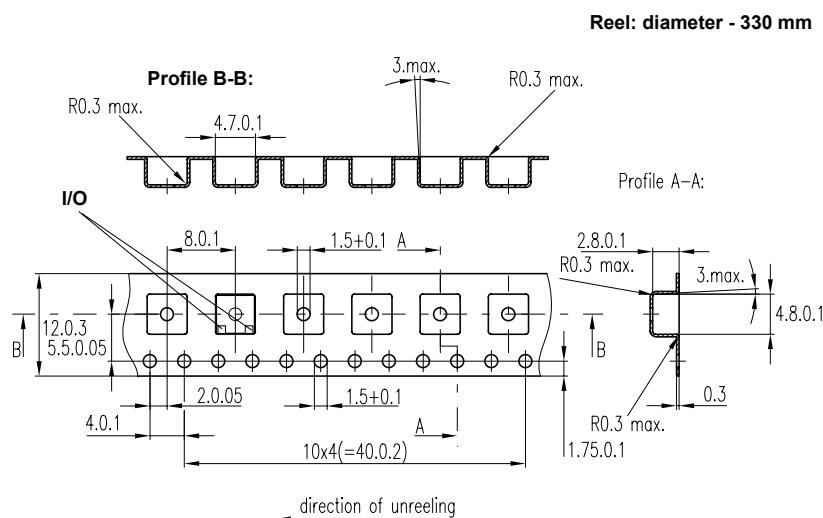
- Wettability to IEC 68-2-58:  $\geq 75\%$  (after aging)

**Soldering requirements**

Soldering type	reflow	
Maximum soldering temperature (measuring point on top surface of the component)	235 (max. 2 sec.) 225 (max. 10 sec.)	$^{\circ}\text{C}$ $^{\circ}\text{C}$

Recommended soldering conditions (infrared):


LOETPROF.DOC

**Marking**
**H475+Delivery Week**


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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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