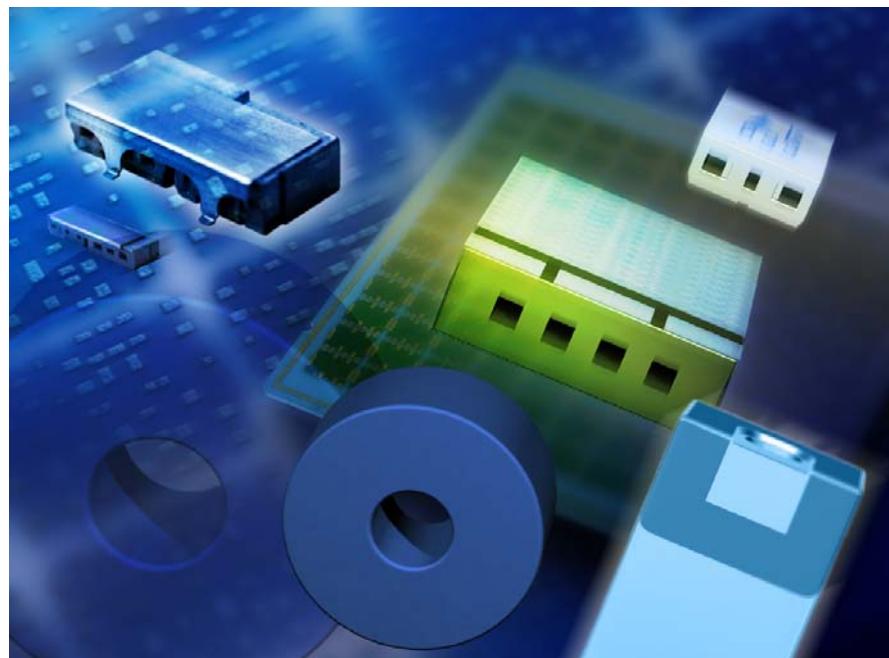


Preliminary Datasheet

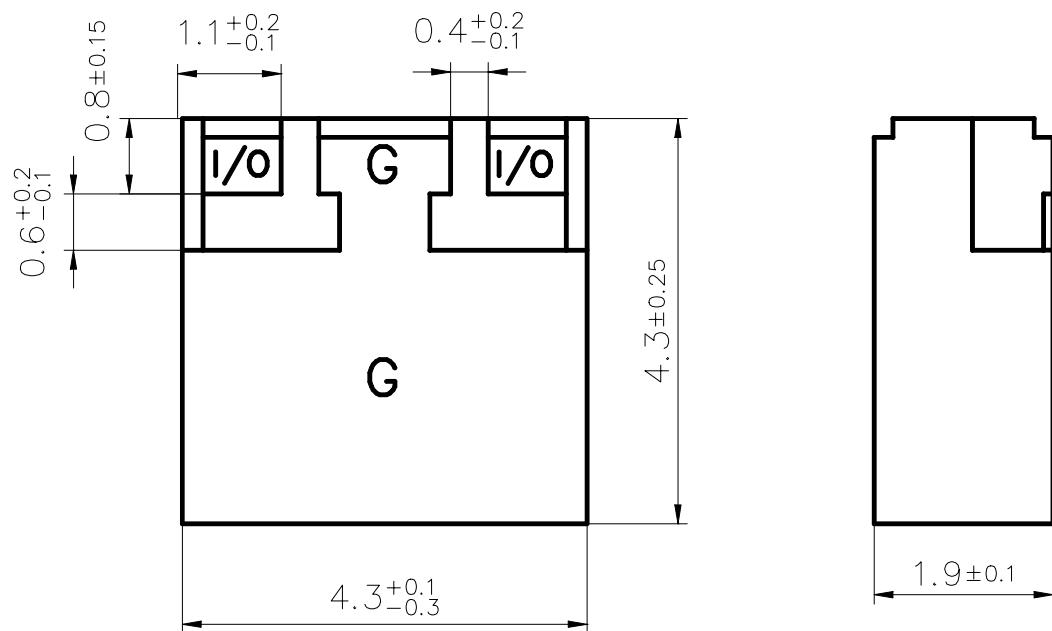


## Features

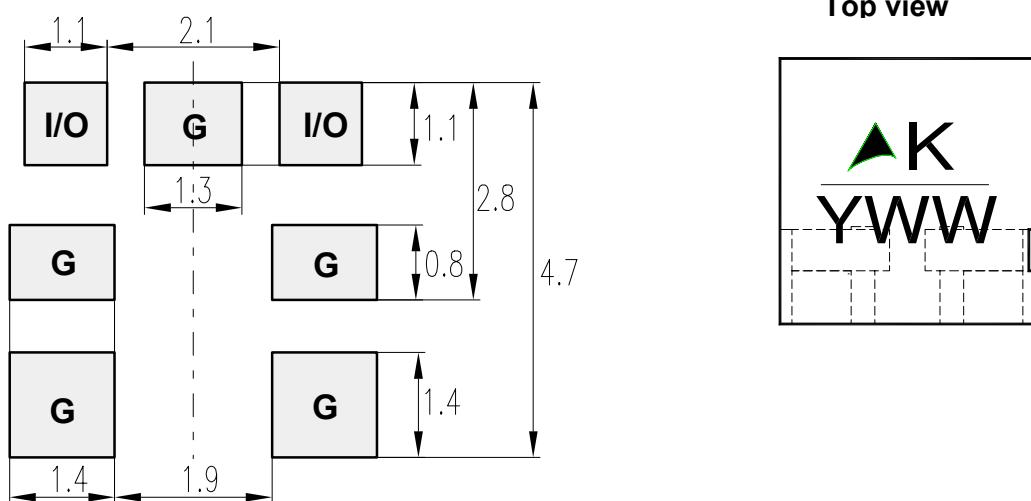
- SMD filter consisting of coupled resonators with stepped impedances
- $(\text{NdBa})\text{TiO}_3$  ( $\epsilon_r = 88$  /  $TC_f = 0 \pm 10 \text{ ppm/K}$ ) with a coating of copper ( $10\mu\text{m}$ ) and tin ( $>5\mu\text{m}$ )
- Excellent reflow solderability, no migration effect due to copper/tin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

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


View from below onto the solder terminals and view from beside

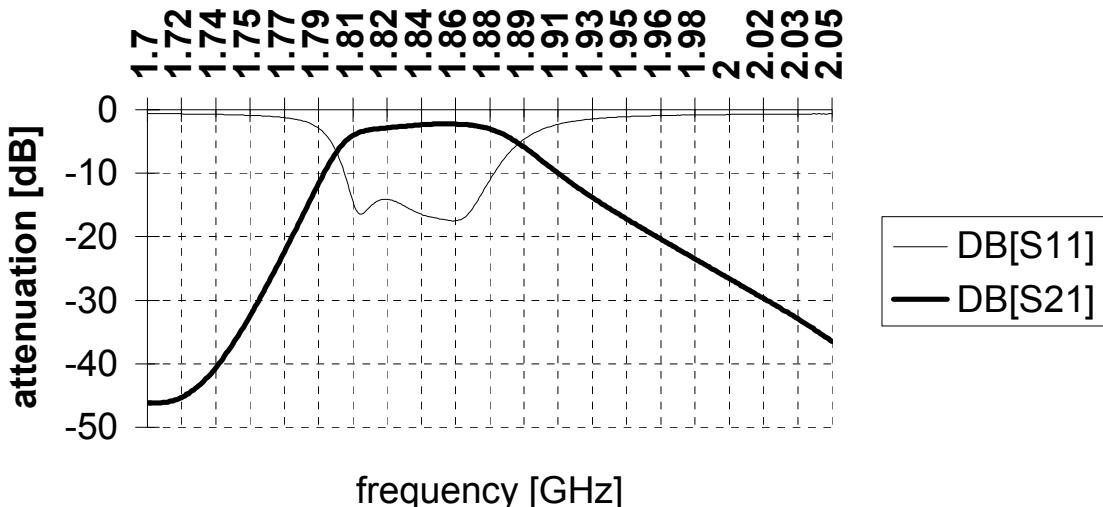
**Recommended footprint**


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

		min.	typ.	max.	
Center frequency	$f_C$	-	1842.5	-	MHz
Insertion loss	$\alpha_{IL}$		3.5	3.7	dB
Passband	$B$	75			MHz
Amplitude ripple (peak - peak)	$\Delta\alpha$		1.5	2.0	dB
Standing wave ratio	$SWR$		1.5	2.2	
Impedance	$Z$		50		$\Omega$
Attenuation	$\alpha$				
at DC to 1430 MHz		38	45		dB
at 1430 to 1705 MHz		32	45		dB
at 1705 to 1785 MHz		13	14		dB
at 1920 to 1980 MHz		12	13		dB
at 1980 to 2400 MHz		20	28		dB
at 3975 to 4200 MHz		10	12		dB

**Maximum ratings**

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

**Typical Passband Characteristics**


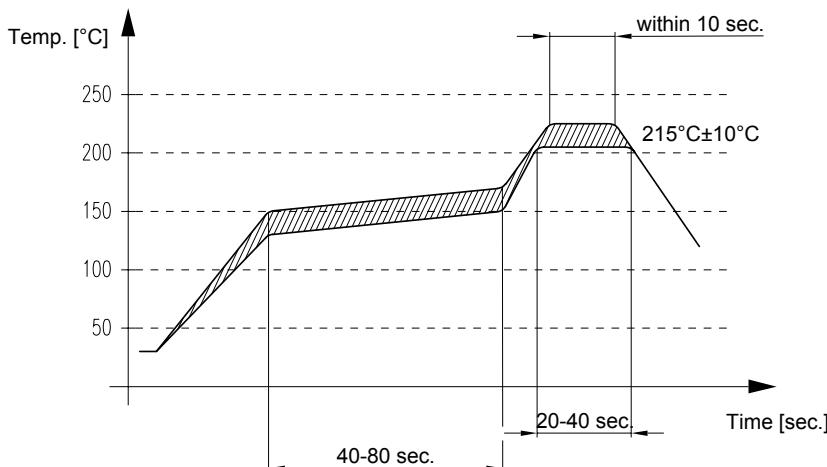
**Preliminary Datasheet**
**Processing information**

ZNr.: 551 (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):**


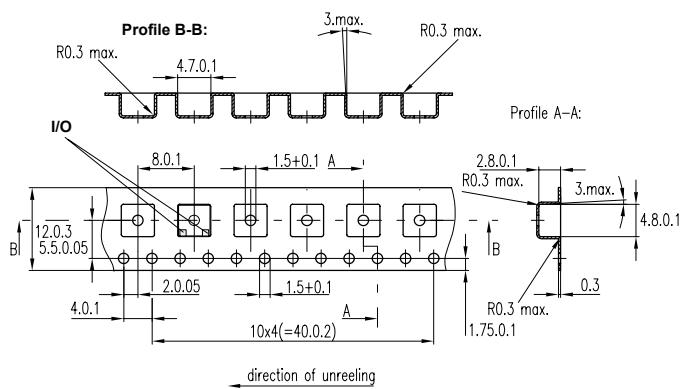
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**Marking**

K475+Delivery Week

**Delivery mode**

- Blister tape acc. to IEC 286-3, polyester, grey
- Pieces/tape: 3000
- All components with type specific marking and Date Code (Year- Week of Year: 'YWW')



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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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