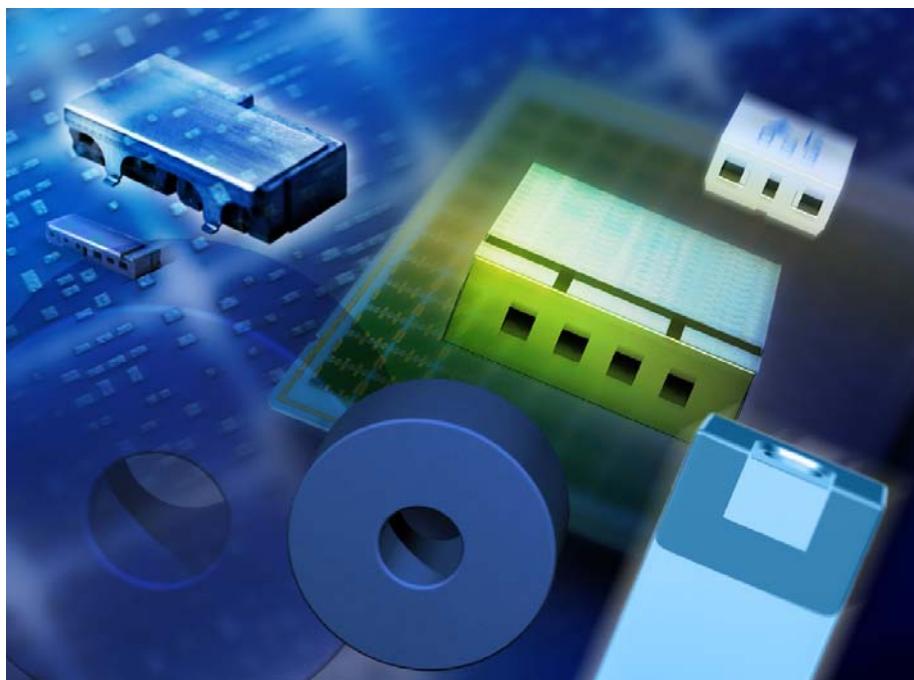


**Datasheet**

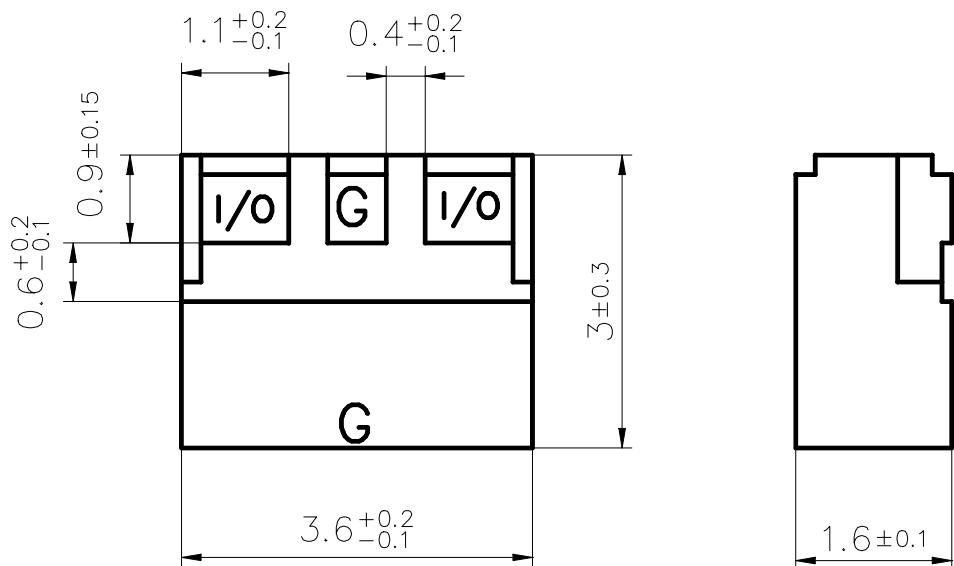


**Features**

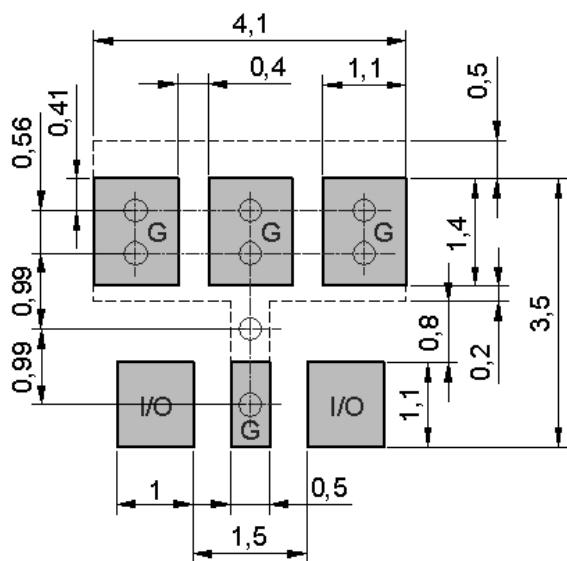
- SMD filter consisting of coupled resonators with stepped impedances
- extreme low losses
- high attenuations at GSM (900, 1800, 1900) bands
- stable performance over wide temperature range
- excellent reflow solderability, no migration effect due to copper/tin metallization

**Index**

Page 2	<ul style="list-style-type: none"><li>● Component drawing</li><li>● Recommended footprint</li></ul>
Page 3	<ul style="list-style-type: none"><li>● Characteristics</li><li>● Maximum ratings</li><li>● Typical passband characteristic</li></ul>
Page 4	<ul style="list-style-type: none"><li>● Processing information</li><li>● Soldering requirements</li><li>● Delivery mode</li></ul>

**Datasheet**
**Component drawing**


View from below onto the solder terminals and view from beside

**Recommended footprint**


 soldered areas

**Top view and marking**


Y : year  
WW : week

I/O Pads must be terminated with  
50 Ω characteristic impedance

## Datasheet

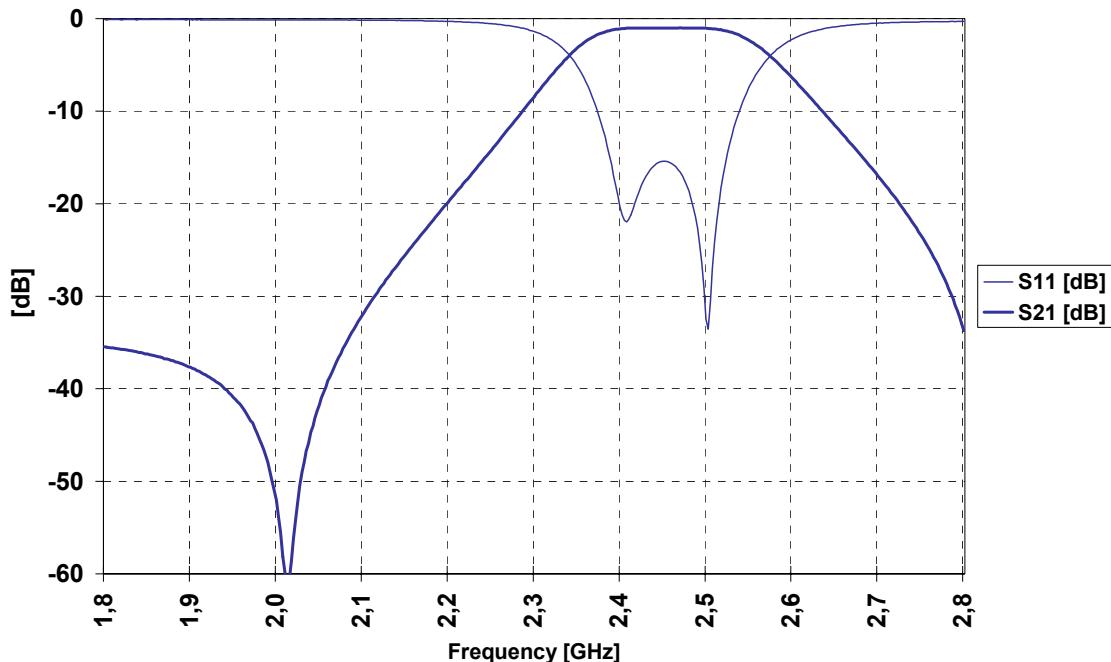
## Characteristics over whole temperature range

		min.	typ.	max.	
Center frequency	$f_C$	-	2.4415	-	GHz
Insertion loss (2400 – 2483MHz)	$\alpha_{IL}$		0.8	1.2	dB
Passband	$B$	83			MHz
Amplitude ripple (peak - peak)	$\Delta\alpha$		0.4	0.8	dB
Standing wave ratio	$SWR$		1.5	2.0	
Impedance (2400 – 2483MHz)	$Z$		50		$\Omega$
Attenuation	$\alpha$				
at DC to 960 MHz		42	46		dB
at 960 to 1990 MHz		32	35		dB
at 2100 to 2170 MHz		20	23		dB

## Maximum ratings

IEC climatic category (IEC 68-1)	- 40/+ 90/56	
Operating temperature	$T_{op}$ - 40 / + 85	°C

## Typical passband characteristic



## Datasheet

## Processing information

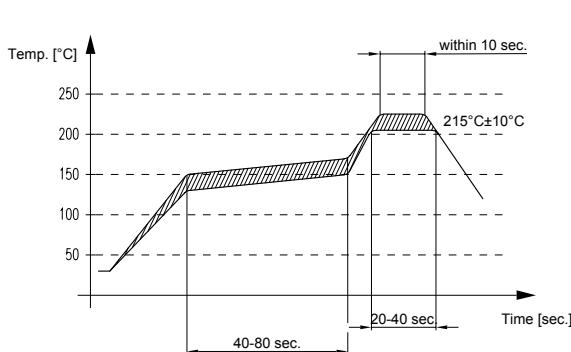
ZNr.: 527 (FILT95 2)

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

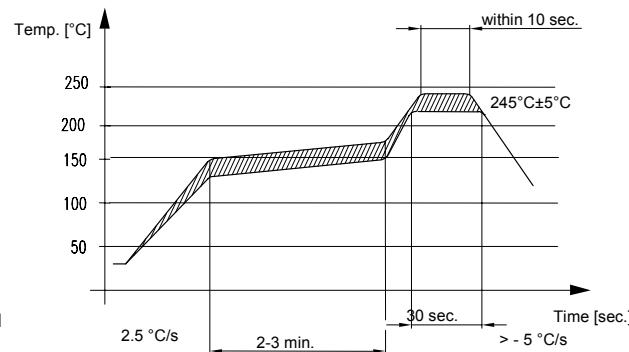
## Soldering requirements

	Profile for eutectic SnPb solder paste	Profile for leadfree solder paste	
Soldering type	reflow	reflow	
Maximum soldering temperature (measuring point on top surface of the component)	235 (max. 2 sec.) 225 (max. 10 sec.)	260 (max. 2 sec.) 250 (max. 10 sec.)	°C °C

#### Recommended soldering conditions (infrared):



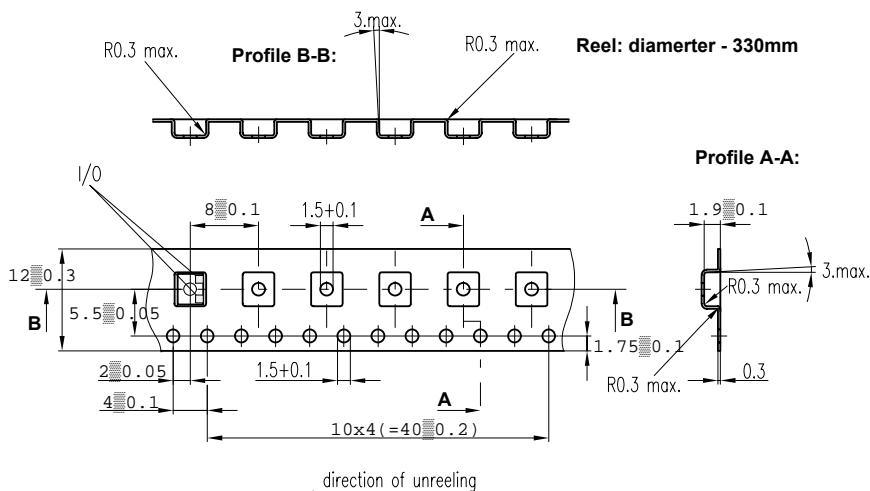
## eutectic SnPb solder paste profile



## leadfree solder paste profile

## Delivery mode

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



© EPCOS AG 2001. All Rights Reserved. Reproduction, publication and dissemination of this data sheet, enclosures hereto and the information contained therein without EPCOS' prior express consent is prohibited.

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.