

## Features

- SMD filter consisting of coupled resonators with stepped impedances
- (NdBa)TiO<sub>3</sub> ( $\epsilon_r = 88$  /  $TC_f = 0 \pm 10$  ppm/K) with a coating of copper (10 $\mu$ m) and tin (>5 $\mu$ m)
- Excellent reflow solderability, no migration effect due to copper/tin metallization

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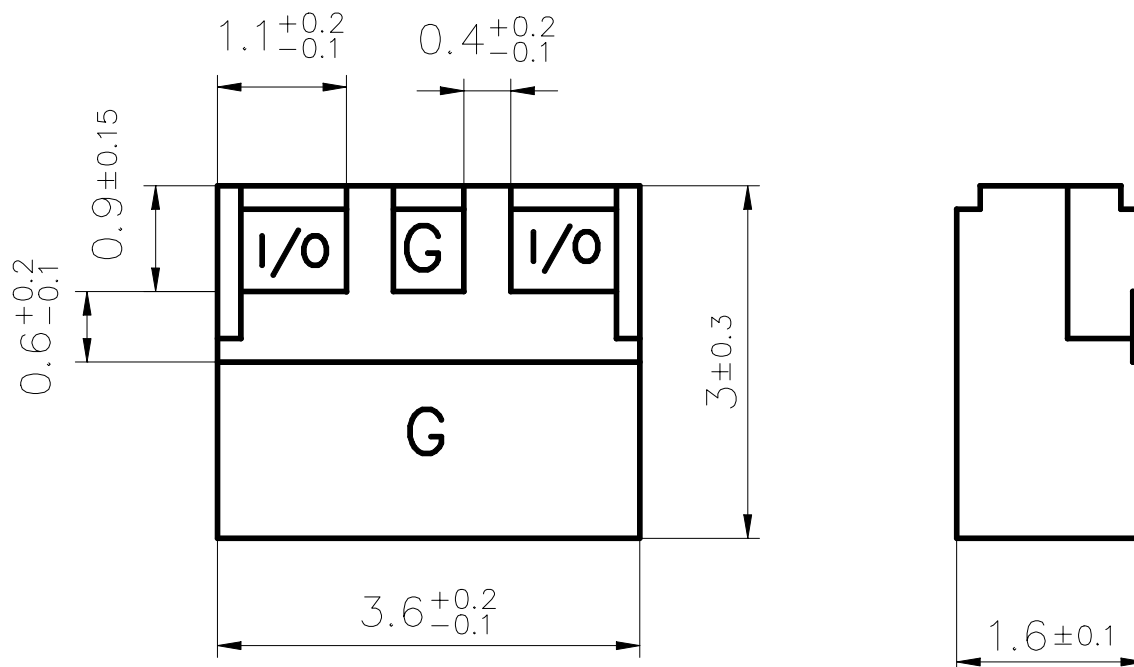
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## 2-Pole Filter for SIRIUS

**B69812N2327A314**

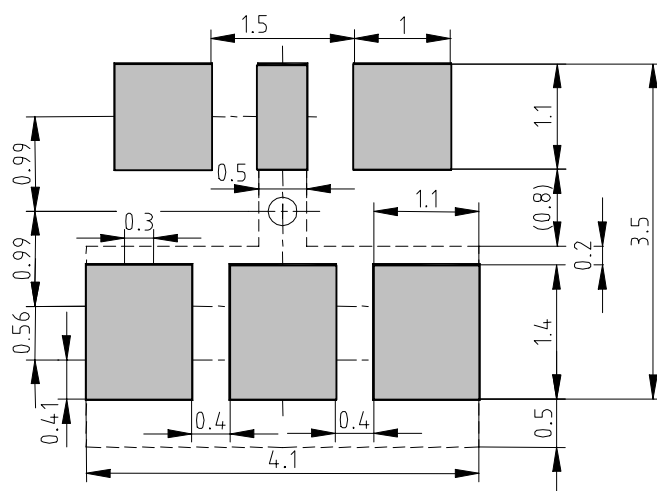
## Datasheet Standard

## Component drawing



View from below onto the solder terminals and view from beside

### Recommended footprint



FPS2D231.DWG→WMF

## Datasheet Standard

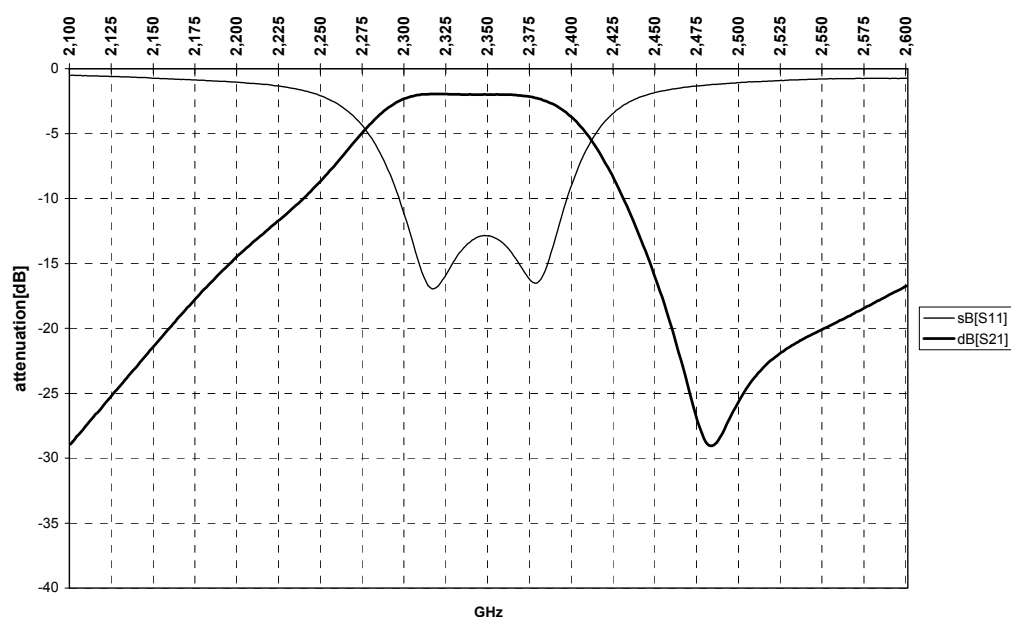
## Characteristics

		min.	typ.	max.	
Center frequency	$f_c$	-	2326	-	MHz
Insertion loss	$\alpha_{IL}$		1.6	1.8	dB
Passband	$B$	14			MHz
Amplitude ripple (peak - peak)	$\Delta\alpha$		0.2	0.5	dB
Standing wave ratio	$SWR$			2.0	
Impedance	$Z$		50		$\Omega$
Attenuation	$\alpha$				
	at DC to 1703 MHz	33	35		dB
	at 2127 MHz	20	24		dB
	at 2162 to 2175 MHz	12	15		dB
	at 2227 MHz	10	11		dB
	at 2400 MHz	3			dB
	at 2426 MHz	6			dB
	at 2500 MHz	15	17		dB
	at 2526 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



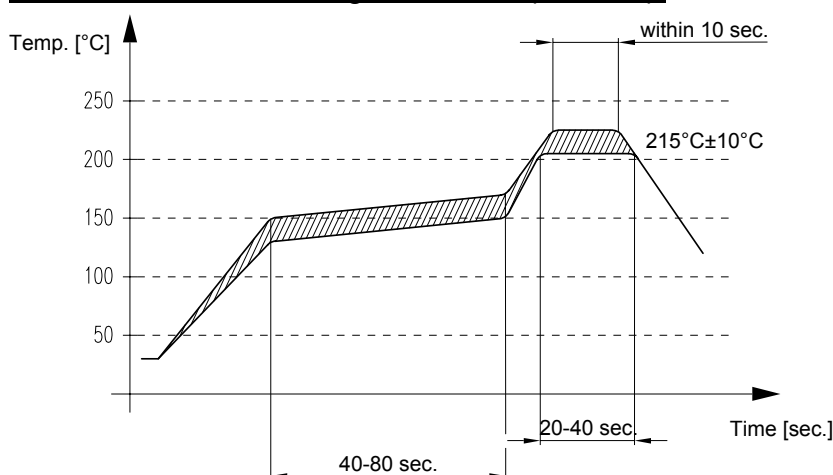
**Datasheet Standard**
**Processing information**

ZNr.: 667 (F)

- 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):**


LOETPROF.DOC

**Delivery mode**

- Blister tape to IEC 286-3, polyester, grey
- Pieces/tape: 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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