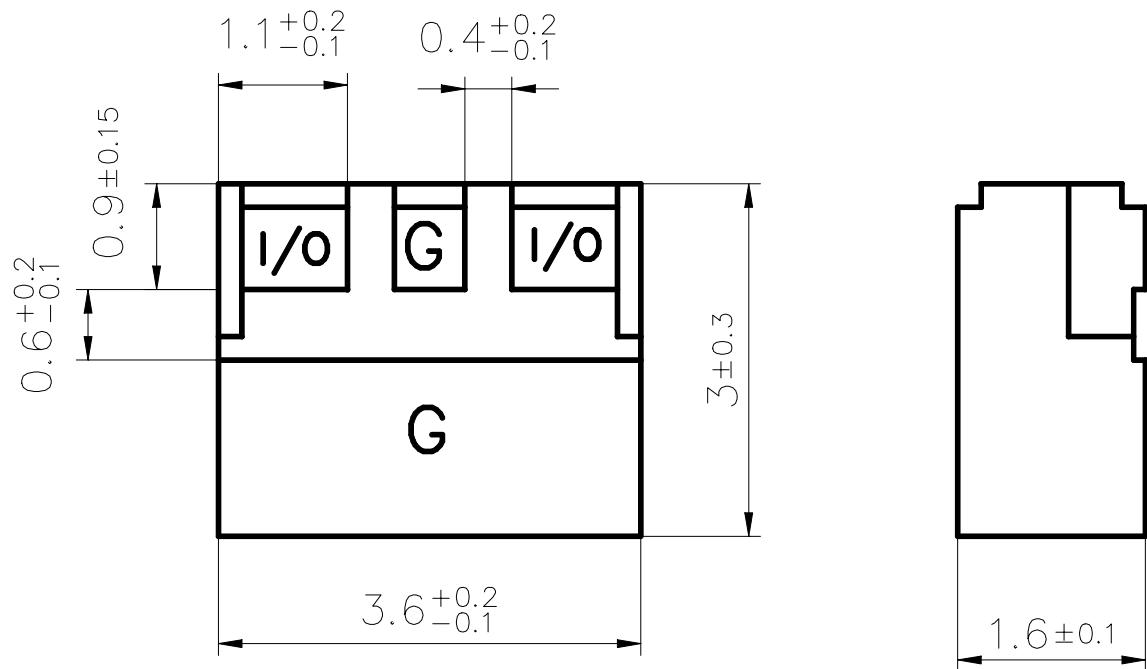


Features

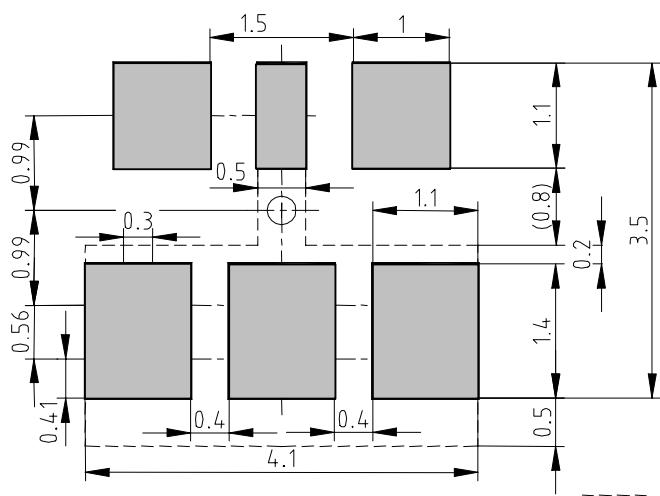
- SMD filter consisting of coupled resonators with stepped impedances
- $(\text{NdBa})\text{TiO}_3$ ($\epsilon_r = 88$ / $TC_f = 0 \pm 10 \text{ ppm/K}$) with a coating of copper ($10\mu\text{m}$) and tin ($>5\mu\text{m}$)
- Excellent reflow solderability, no migration effect due to copper/tin metallization

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View from below onto the solder terminals and view from beside

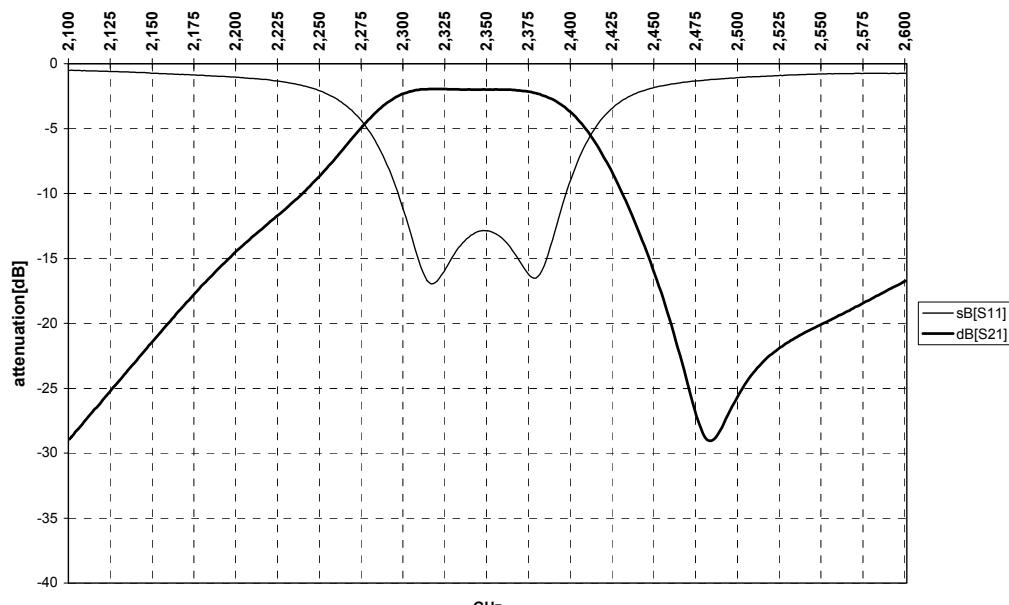
Recommended footprint


FPS2D231.DWG→WMF

		min.	typ.	max.	
Center frequency	f_C	-	2326	-	MHz
Insertion loss	α_{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		Ω
Attenuation	α				
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

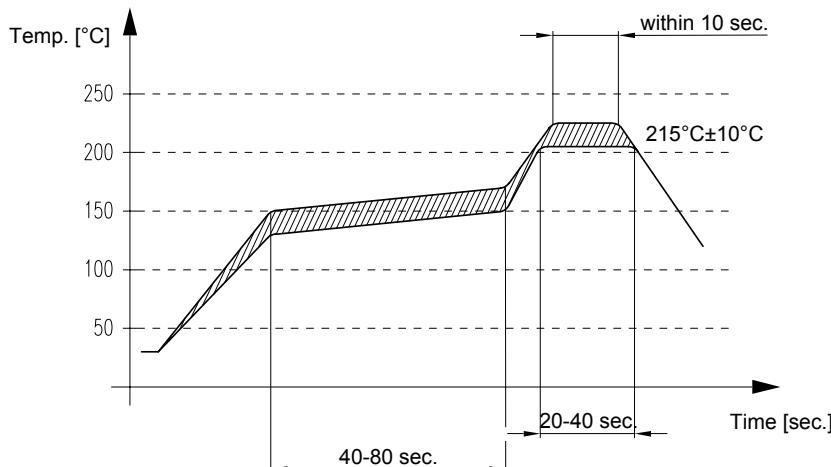
Typical passband characteristic


Datasheet Standard
ZNr.: 667 (F)
Processing information

- 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
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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