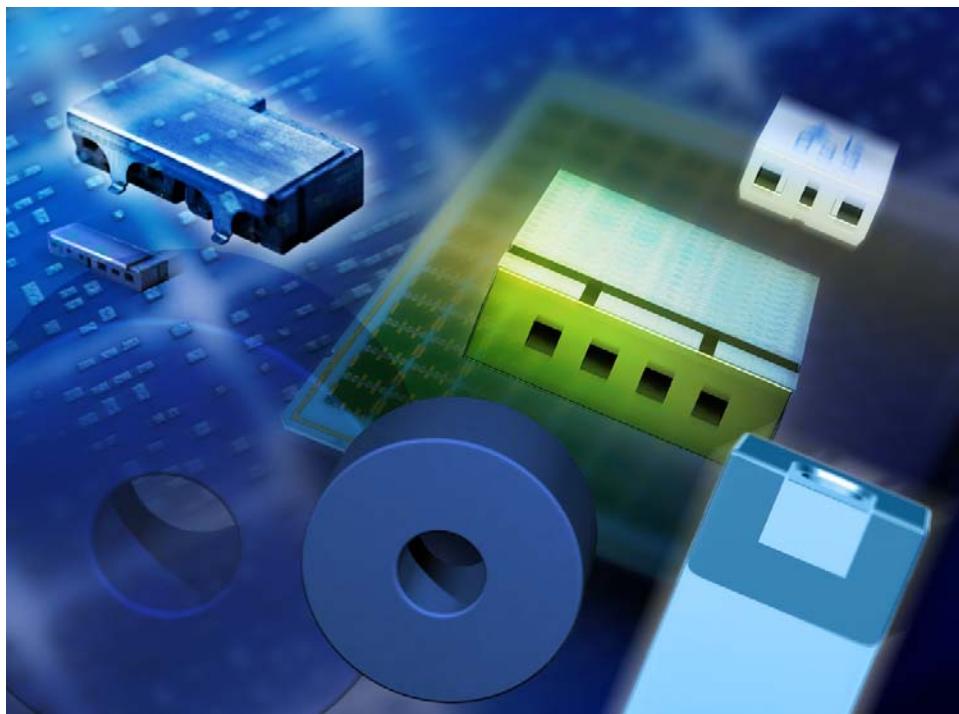


Preliminary datasheet

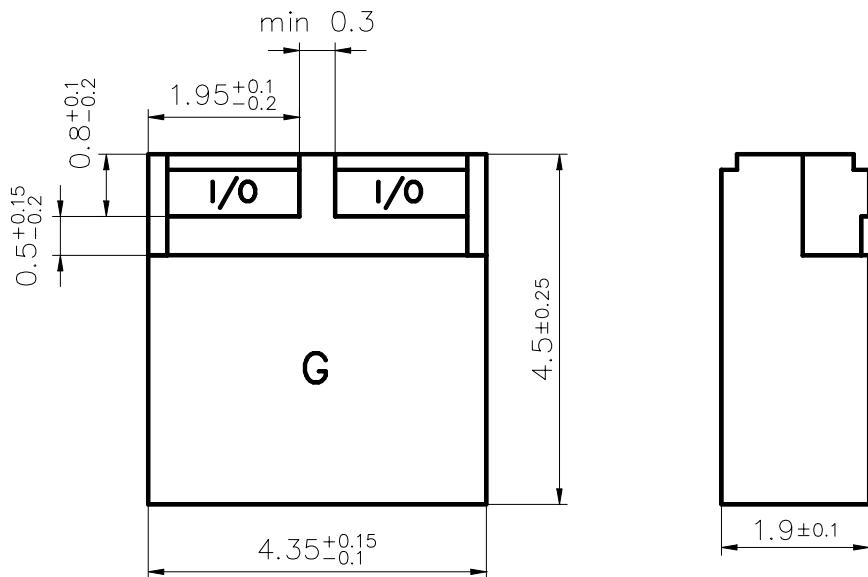


Features

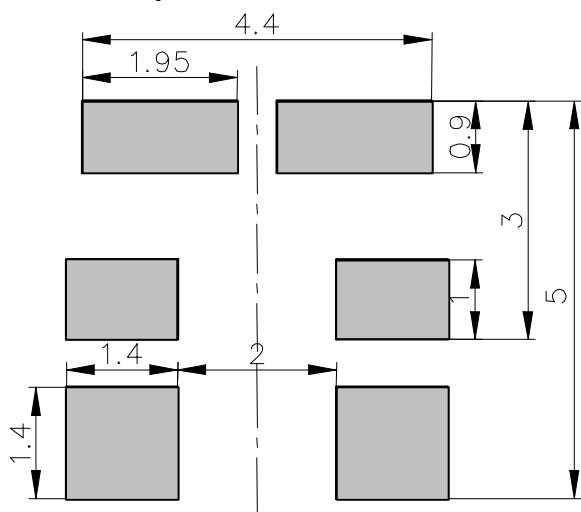
- SMD filter consisting of coupled resonators with stepped impedances
- $(\text{NdBa})\text{TiO}_3$ ($\epsilon_r = 88$ / $TC_f = 0 \pm 10 \text{ ppm/K}$) with a coating of copper ($10\mu\text{m}$) and tin ($>5\mu\text{m}$)
- Excellent reflow solderability, no migration effect due to copper/tin metallization

Index

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

Preliminary datasheet
Component drawing


View from below onto the solder terminals and view from beside

Recommended footprint


FPS3S281 1700800-DWG→WMF

Characteristics

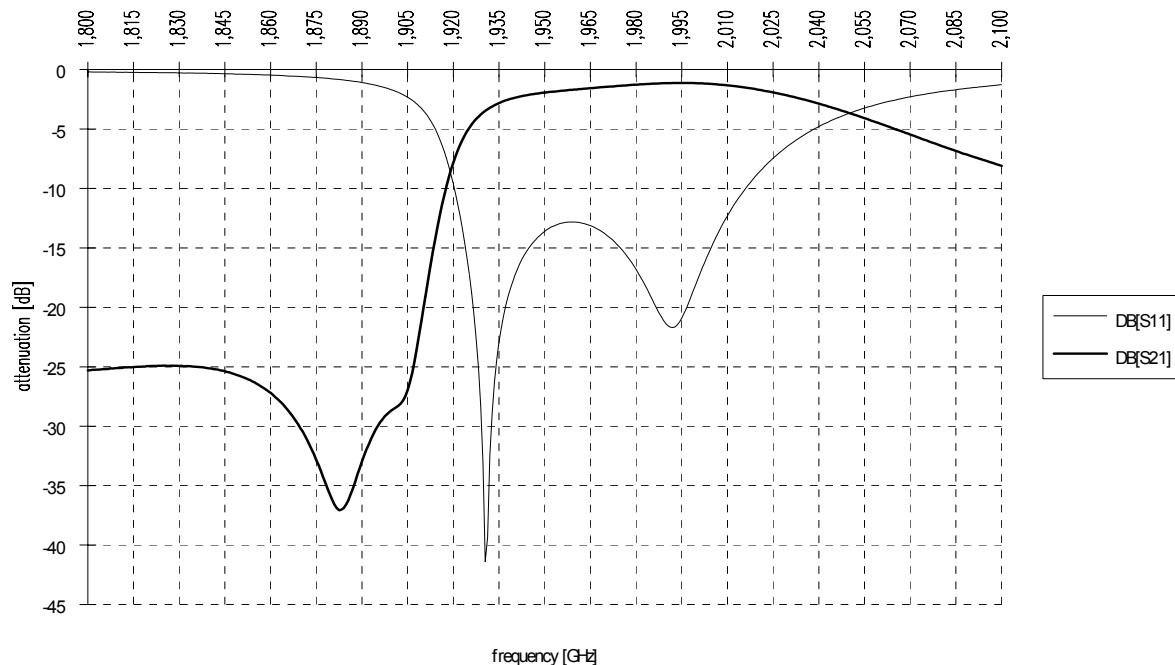
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Microwave Ceramics and Modules
3-Pole Filter for PCS RX
Product type
B69813N1967M460
Preliminary datasheet

		min.	typ.	max.	
Center frequency	f_C	-	1960	-	MHz
Insertion loss	α_{IL}		2.8	3.5	dB
Passband	B	60			MHz
Amplitude ripple (peak - peak)	$\Delta\alpha$		1.4	2.2	dB
Standing wave ratio	SWR		1.6	2.2	
Impedance	Z		50		Ω
Attenuation at 1910 MHz	α	20	21		dB

Maximum ratings

IEC climatic category (IEC 68-1)	- 40/+ 90/56	
Operating temperature	T_{op} -20 / +75	°C

Typical passband characteristic

S3S281.DOC
Processing information
ZNr.: 673 (FILT95_2)

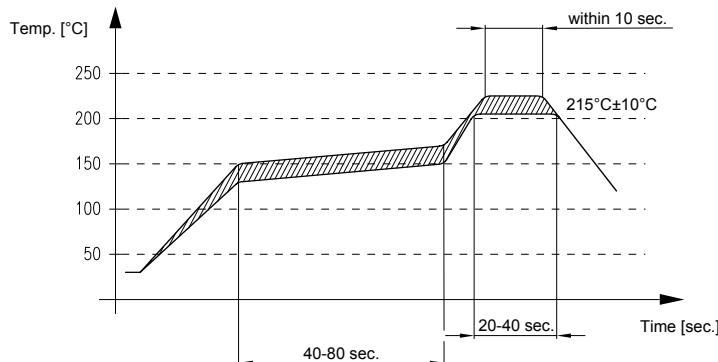
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Preliminary datasheet

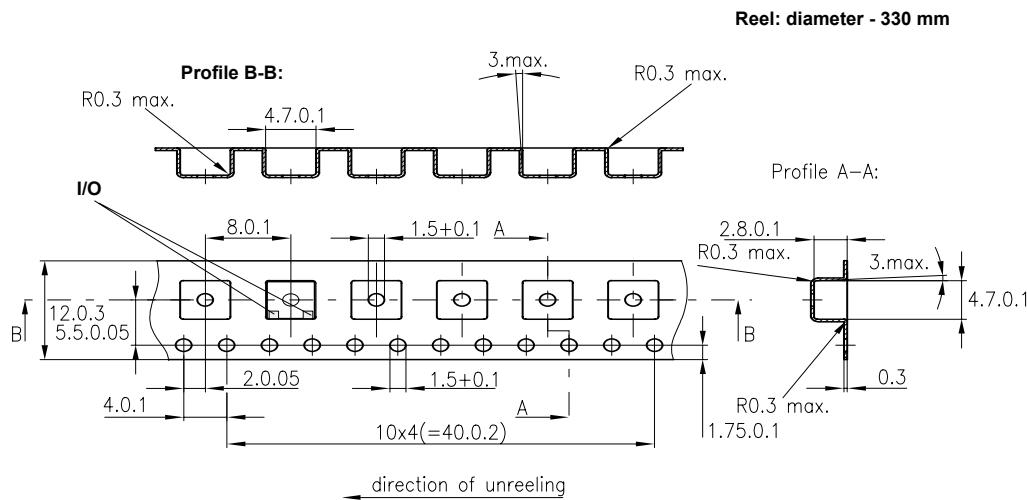
- Wettability to IEC 68-2-58: $\geq 75\%$ (after aging)

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: 3000


TAPS3P2.DOC

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