



Microwave Ceramics Filters

Series/Type: B726

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B69812N9156B726		2012-04-27	2012-07-31	2012-10-31

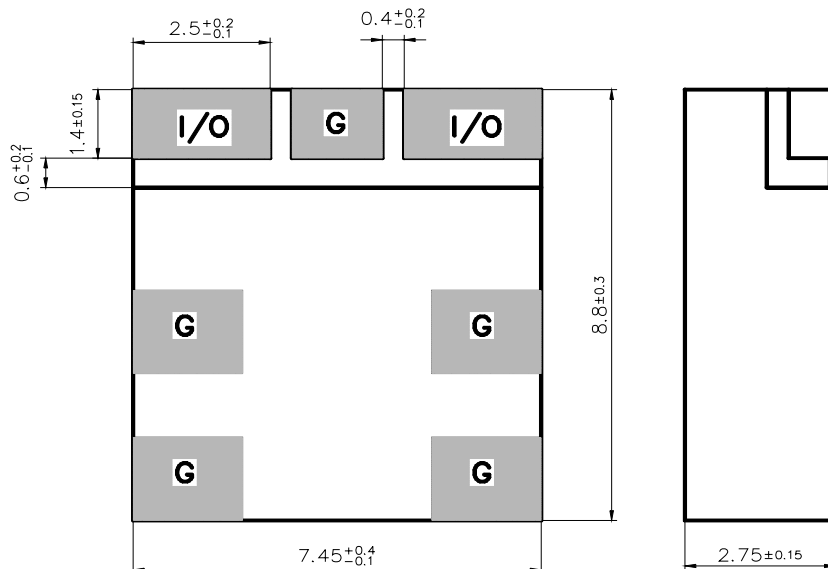
For further information please contact your nearest EPCOS sales office, which will also support you in selecting a suitable substitute. The addresses of our worldwide sales network are presented at www.epcos.com/sales.

Data sheet
Modification

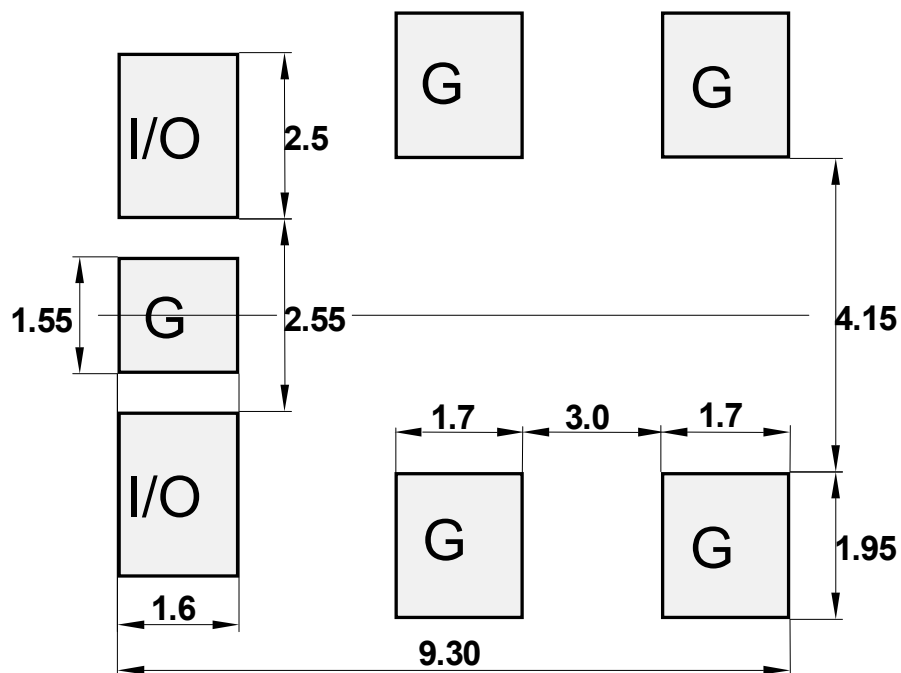
P2		17.07.96	Freising
P3	Recommended footprint	29.10.97	Freising
P4	Recommended footprint, component drawing	04.05.99	Keiler
P5	Recommended footprint	29.07.03	Stadler
P6	Standing wave ratio	19.08.03	Freising
A		05.04.04	Freising
B	Upgraded to new form	20.01.10	Reichel

Features

- SMD filter consisting of coupled resonators with stepped impedances
- (NdBa)TiO₃ ($\epsilon_r = 88/TC_f = 0 \pm 10$ ppm/K) with a coating of copper (10 μm) and tin (>5 μm)
- Excellent reflow solderability, no migration effect due to copper/tin metallization

Data sheet
Component drawing


View from below onto the solder terminals and view from beside
Marking: 'EPCOS logo' SC 9156, on top of the filter

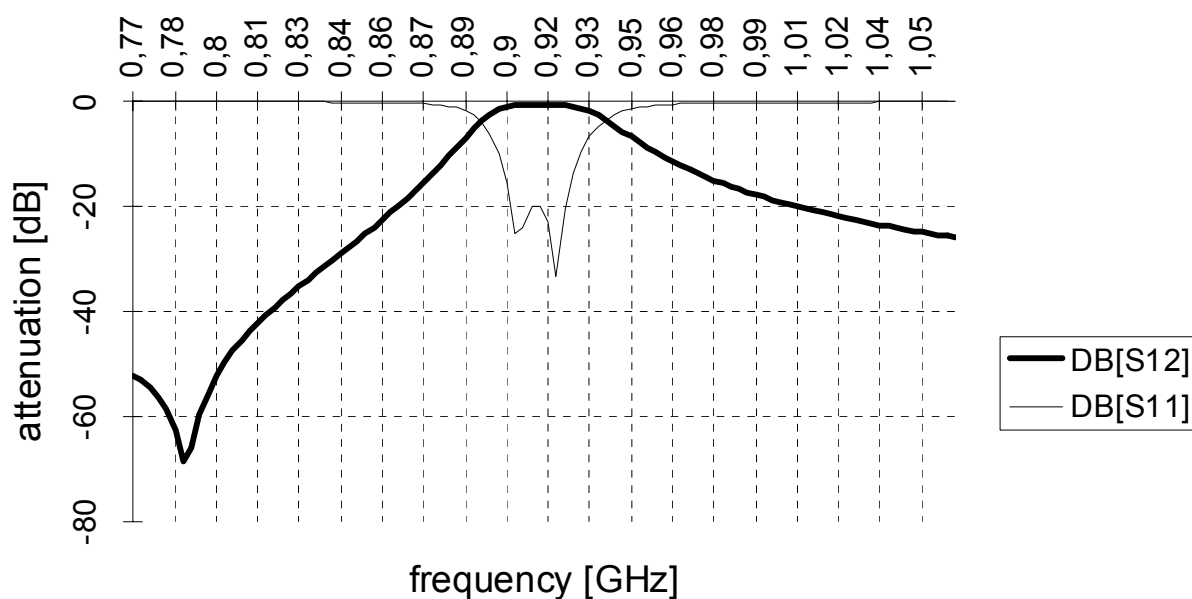
Recommended footprint


Data sheet
Characteristics

		min.	typ.	max.	
Center frequency	f_c	–	915	–	MHz
Insertion loss	α_{IL}		1.3	2.0	dB
Passband	B	26			MHz
Amplitude ripple (peak – peak)	$\Delta\alpha$		0.5	1.0	dB
Standing wave ratio	SWR		1.5	1.7	
Impedance	Z		50		Ω
Attenuation	α				
	at 818 MHz	35	40		dB
	at 1026 MHz	20	25		dB

Maximum ratings

IEC climatic category (IEC 68-1)		–40 °C/+90 °C/56	
Operating temperature	T_{op}	–20/+85	°C

Typical passband characteristic


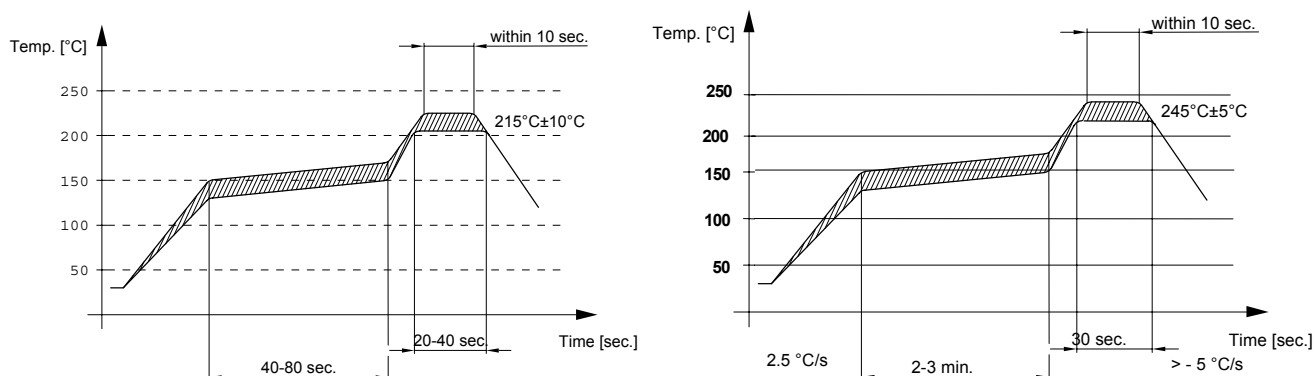
Data sheet
Processing information

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

Soldering requirements

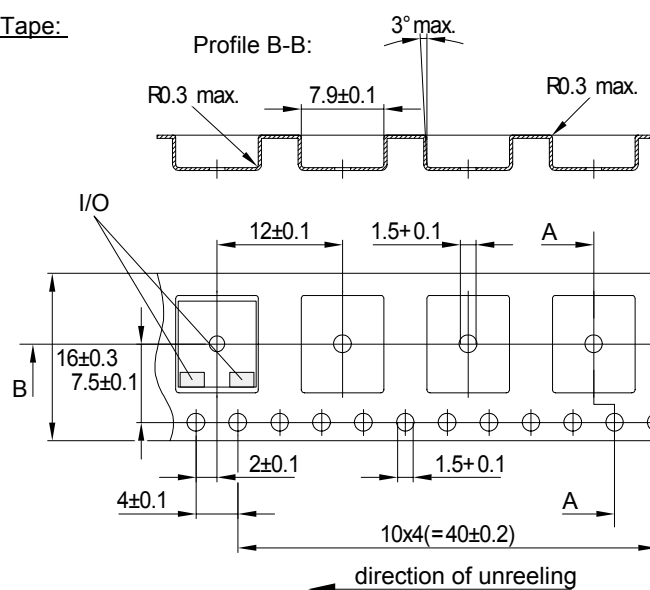
	Profile for eutectic SnPb solder paste	Profile for leadfree solder paste	
Soldering type	reflow	reflow	
Maximum soldering temperature	235 (max. 2 sec.)	260 (max. 2 sec.)	°C
(measuring point on top surface of the component)	225 (max. 10 sec.)	250 (max. 10 sec.)	°C

Recommended soldering conditions (infrared):


Delivery mode

- Blister tape acc. to IEC 286-3, polyester, grey
- Pieces/tape: 1500

Tape:



Reel: diameter - 330 mm

Important notes

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