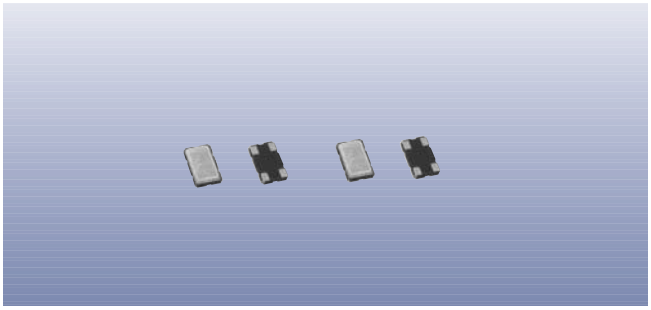
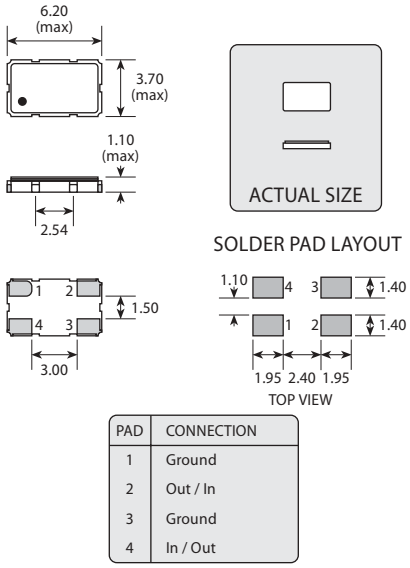
SM Monolithic Filter

GSF-61





PAD	CONNECTION
1	Ground
2	Out / In
3	Ground
4	In / Out

Scale 2:1

Features

- **Custom specifications available**
- **Miniature SM package**

Ordering Information

Product name + model number
eg: **GSF-61 21S20A**
GSF-61 45S15A
Option code X (eg GSF-61/X) denotes a custom spec.

- Available on T&R - 1k pcs per reel.
- Refer to our website for T&R and soldering details.

21.4MHz Standard Specifications

Model Number	Centre Frequency (MHz)	Number of Poles	Pass Band (dB @ kHz)	Attenuation Band (dB @ kHz)	In-Band Ripple (dB)	Insertion Loss (dB)	Guaranteed Attenuation (dB @ kHz)	Termination (Ω // pF)	Operating Temperature Range (°C)	No of Units
21S7A	21.400	2	3 ±3.75	20 ±18.0	0.5	1.5	35 +350 ~ +1000 50 -200 ~ -1000	850 // 5.5	-20 to +70	1
21S12A	21.400	2	3 ±6.0	20 ±25.0	0.5	1.5	35 +350 ~ +1000 50 -200 ~ -1000	1200 // 2.5	-20 to +70	1
21S15A	21.400	2	3 ±7.5	18 ±25.0	0.5	1.5	35 +350 ~ +1000 40 -200 ~ -1000	1500 // 1.5	-20 to +70	1
21S20A	21.400	2	3 ±10.0	18 ±34.0	0.5	2.0	35 +350 ~ +1000 50 -200 ~ -1000	1800 // 1.0	-20 to +70	1
21S30A	21.400	2	3 ±15.0	15 ±45.0	0.5	1.5	35 +350 ~ +1000 45 -300 ~ -1000	3000 // 0.0	-20 to +70	1

45.0MHz Standard Specifications

Model Number	Centre Frequency (MHz)	Number of Poles	Pass Band (dB @ kHz)	Attenuation Band (dB @ kHz)	In-Band Ripple (dB)	Insertion Loss (dB)	Guaranteed Attenuation (dB @ kHz)	Termination (Ω // pF)	Operating Temperature Range (°C)	No of Units
45S7A	45.000	2	3 ±3.75	10 ±12.5	0.5	2.5	65 -910	300 // 9.5	-20 to +70	1
45S15A	45.000	2	3 ±7.5	15 ±25.0	0.5	2.0	35 +500 ~ +1000 40 -200 ~ -1000	650 // 4.0	-20 to +70	1
45S20A	45.000	2	3 ±10.0	15 ±34.0	0.5	2.0	35 +500 ~ +1000 40 -200 ~ -1000	700 // 2.0	-20 to +70	1
45S30A	45.000	2	3 ±15.0	15 ±50.0	0.5	2.0	35 +500 ~ +1000 35 -300 ~ -1000	800 // 1.0	-20 to +70	1

Tel: **+44 1460 256 100** Fax: **+44 1460 256 101** E-mail: **sales@golledge.com** Web: **www.golledge.com**

Golledge

14 Dec 2001