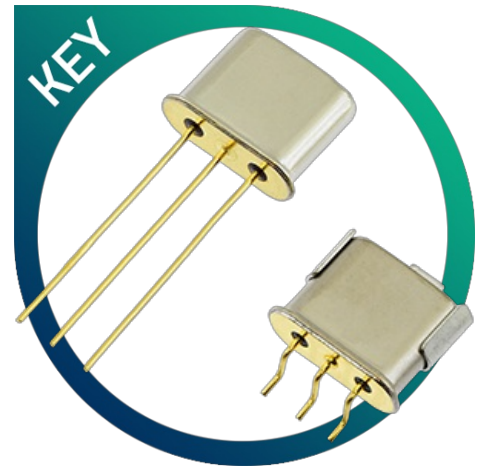


GMCF-45 45G7B1

**45MHz 4 pole crystal filter with
7.5kHz 3dB bandwidth**

- Custom specifications available
- Fundamental or 3rd overtone modes
- Comprehensive stocks



CONFIGURABLE OPTIONS

Parameter	Option Code
Package	
Any	
UM-1/3Lx2 (leaded)	
UM-5/3Lx2 (leaded)	
UM-1JN/3Lx2 (SMT)	
UM-5JN/3Lx2 (SMT)	

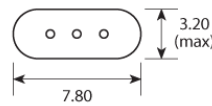
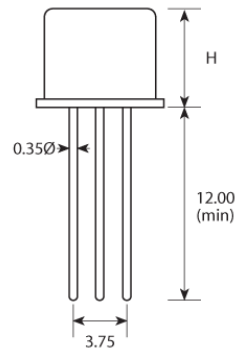
SPECIFICATIONS

Centre frequency	45.0MHz
Dimensions	Package options available - see Package Drawing
Operating temperature range	-20 to +70°C
Number of poles	4
Pass band	-3dB @ ±3.75kHz min
Attenuation band	-30dB @ ±12.5kHz max
In-band ripple	1.0dB max
Insertion loss	4.0dB max
Guaranteed attenuation	-90dB max ±910kHz
Termination	300Ω // 8.0pF
Coupling capacitance (C _c)	20pF
Package style	UM-1/3Lx2, UM-5/3Lx2 (through-hole) UM-1JN/3Lx2, UM-5JN/3Lx2 (SMT)

PACKAGE DRAWING

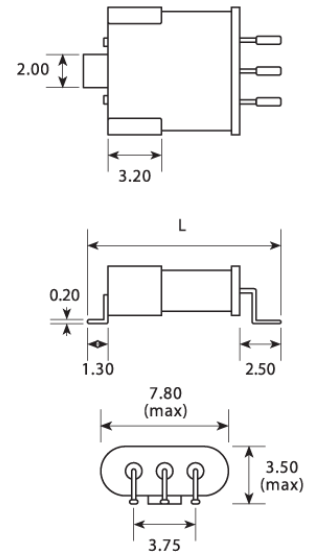
Package Options

Through hole



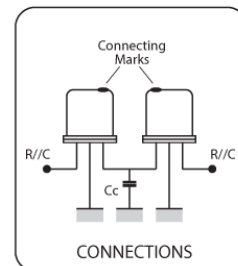
Package	Height H
UM-1/3L	8.00 max
UM-5/3L	6.00 max

Surface mounted



Package	Length L
UM-1JN/3L	12.50 max
UM-5JN/3L	10.50 max

Dimensions in mm



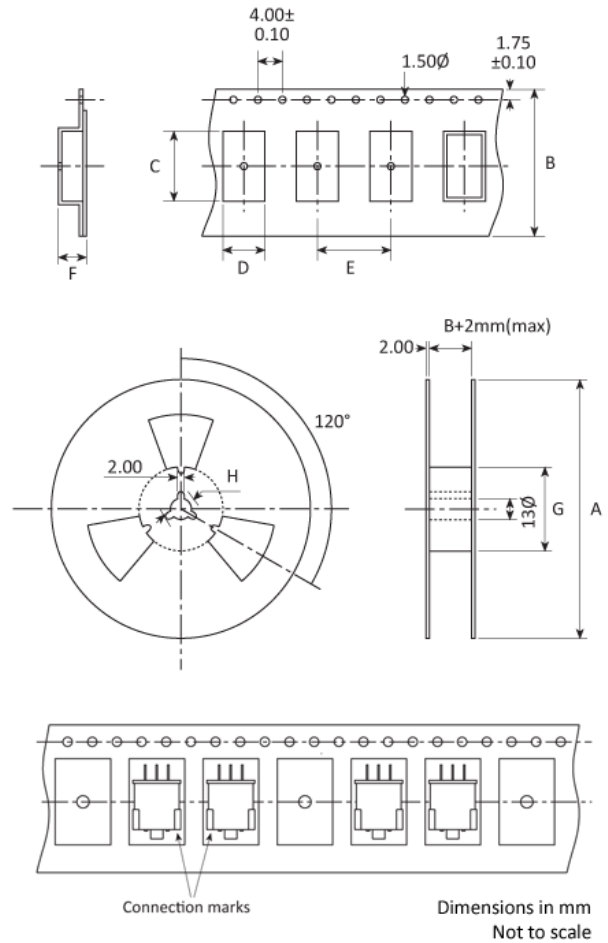
ORDERING INFORMATION

To request a quotation for the GMCF-45 45G7B1 please use the configurable options form to choose the options you require and then submit your configured product to our team. Our expert advisers are always happy to help with your requirements and can be contacted on +44 1460 256 100 or at sales@golledge.com.

Following product selection you will be issued with a seven character Golledge part number. Your Golledge part number is the internationally accepted Golledge manufacturing part number (MPN) that should be used for all project documentation, including bills of materials (BoMs) and purchase orders.

If you have any queries regarding any of our documentation our dedicated sales team will be happy to help.

TAPE & REEL SPECIFICATION



UM-1J - A:330 B:24 C:14.1 D:8.4 E:12 F:4.6 G:80 H:21

UM-5J - A:180 B:24 C:12.5 D:8.4 E:12 F:4.4 G:60 H:21

HANDLING & STORAGE



Human Body Model (HBM) 1A (250V to <500V)

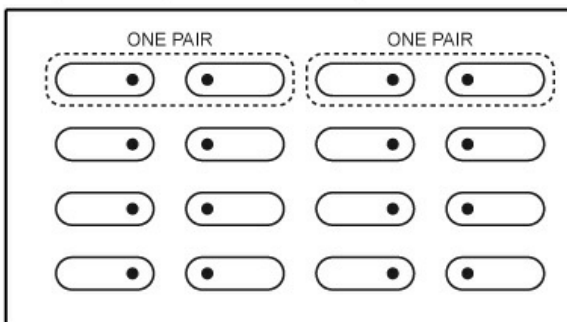


Moisture Sensitivity Level (MSL): 1 (or not applicable)

CONSTRUCTION

Resistance weld

Bulk-packed 4-pole filters: Pair alignment when boxed.



These filters are individually matched pairs. One filter is composed of two physical units, which have been factory-matched for optimum performance.

DO NOT MIX. Unmatched pairs will offer impaired performance.

For filters supplied in boxes, please refer to the above diagram.

Matched pairs may also be supplied in individual bags.

MATERIAL COMPOSITION



Lead-free (< 0.1% by weight)



RoHS compliant with no exemptions. [See our](#)

[declaration](#)



REACH compliant. [See our statement](#)



Free of conflict minerals. [See our declaration](#)



Free of Halogens. [See our declaration](#)



Free of Ozone-depleting substances. [See our](#)

[declaration](#)

OTHER INFORMATION

About Golledge

We are the UK's leading supplier of frequency control products and are proud to serve the global electronics industry. Our philosophy is a focus firmly on your requirements by striving to meet and exceed your needs. We do this by ensuring the utmost quality and consistency in our products and services. If you have any queries about the Golledge service or any of our products please get in touch, we'd love to hear from you.

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Our customer feedback is testament to our quality; "Never had such good service as this from anyone in 35 years of being in the industry, this is impressive and has really helped us out of a corner to keep the design flowing" Andy (Senior Design Engineer), "As always your support is state of the art" Nicoleta (Material Management), "Legendary work - as usual it has to be said" John (Operations).
To take advantage of our highly praised service get in touch with us today.