

GMCF-45

45G15A1

**45MHz 2 pole crystal filter with
15.0kHz 3dB bandwidth**

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



CONFIGURABLE OPTIONS

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

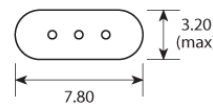
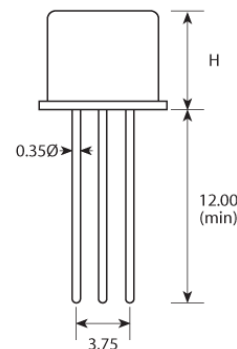
SPECIFICATIONS

| | |
|-----------------------------|---|
| Centre frequency | 45.0MHz |
| Dimensions | Package options available - see Package Drawing |
| Operating temperature range | -20 to +70 °C |
| Number of poles | 2 |
| Pass band | -3dB @ $\pm 7.5\text{kHz}$ min |
| Attenuation band | -15dB @ $\pm 25.0\text{kHz}$ max |
| In-band ripple | 1.0dB max |
| Insertion loss | 2.0dB max |
| Guaranteed attenuation | -35dB max +500 ~ +1000kHz -40dB max -200 ~ -1000kHz |
| Termination | 650 Ω // 4.5pF |
| Package style | UM-1/3L, UM-5/3L (through-hole) UM-1JN/3L, UM-5JN/3L (SMT) |

PACKAGE DRAWING

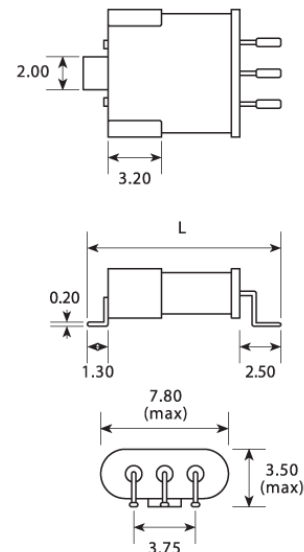
Package Options

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 45G15A1 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.

HANDLING & STORAGE



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



Moisture Sensitivity Level (MSL): 1

CONSTRUCTION

Resistance weld

MATERIAL COMPOSITION

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.