

M SERIES TRIMMER CAPACITORS

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Description

- M Series air trimmer capacitors are new generation trimmers specially designed and developed by TEMEX to answer commercial and high volume applications needs.
- M Series incorporate the self-locking constant torque drive mechanism which insures uniform torque, high Q and low dynamic tuning noise.
- The ATM120 and ATM130 series design results in the rotor and stator is of one part construction. With a resolution of 1 pF per turn, this series is designed for HF applications and offers a significant advantage for accurate adjustment in circuit tuning.
- Using the same assembly process, and completing ATM220, ATM230, ATM320, ATM330, ATM420 and ATM430 series with press fitted tubes were designed.

Features

- High Q factor
- Excellent tuning stability and low tuning noise
- Low temperature coefficient
- Working voltage 200 VDC, test 400 VDC
- Fine tuning resolution

Applications

- Commercial applications
- CATV
- Radiotelephone
- Crystal filters



M SERIES TRIMMER

Air capacitors

Figure 1

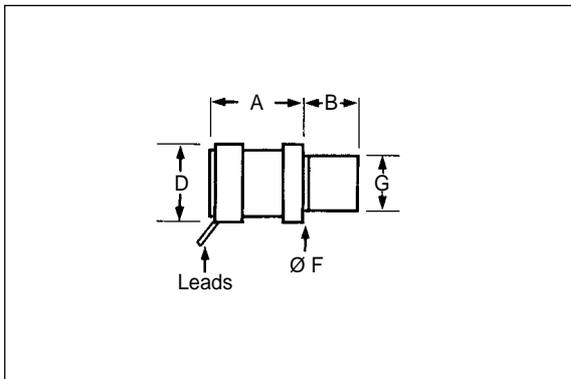


Figure 2

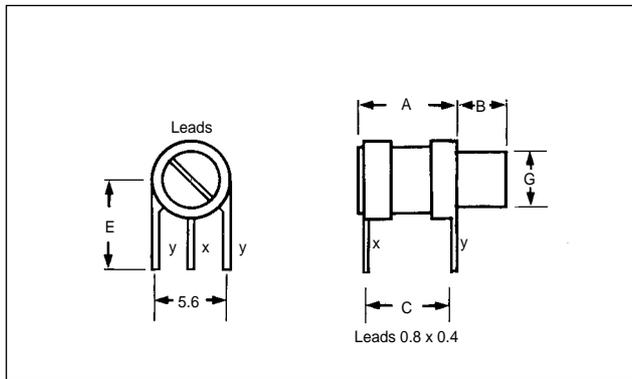


Figure 3

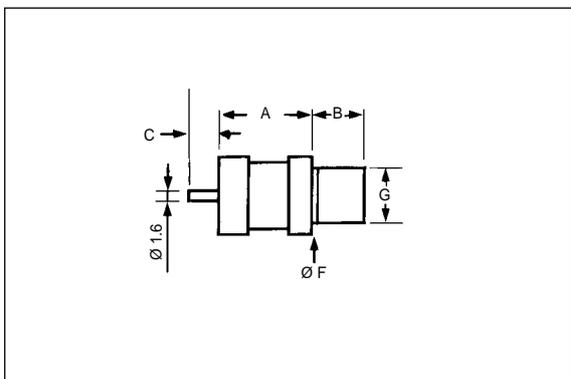
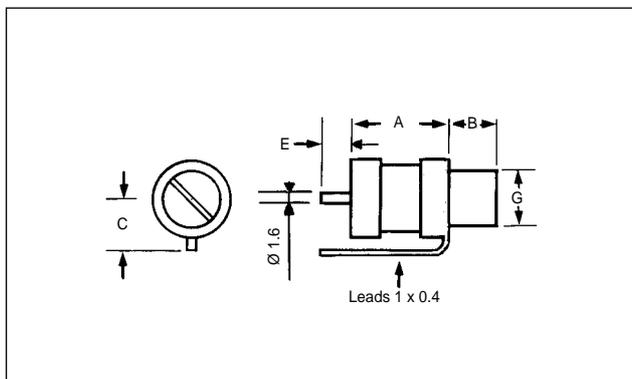


Figure 4

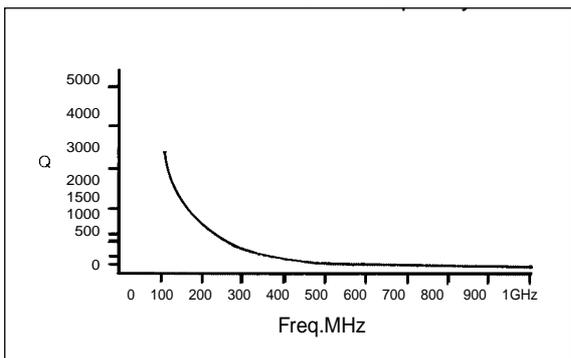


- Note 1 :** For fixing hole layout tolerances and dimensions, consult [page 122](#)
- Note 2 :** For Tap sizes and ref. numbers, see [page 118](#)
- Note 3 :** For special and custom design models, consult [page 117](#)
- Note 4 :** For panel mounting version (with nut) minimum circuit thickness: 0.8 mm

How to order?

- Standard temperature coeff. M series trimmer ex.: ATM122
- Standard temperature coeff. M series trimmer with threaded busing and nut: ex.: ATM122 THR

Q Factor versus frequency



Self-resonant frequency

