

GFM-1003 Series

Construction

The GFM-1003 series dampers are made of high mechanical properties rubbers with high damping in order to reach Q factor at resonance lower than 3, following loads and amplitudes of excitation ($Q_{max}=6$)
Approximate weight of damper: 1 gram

Applications

These dampers are typically used in data processing equipment appliances, disk drives, medical electronics desk-top equipment, video recorders and all small and sensitive equipments mounted on carriers or on fixed stations
In a small size they allow to obtain low frequencies behaviour under high stress

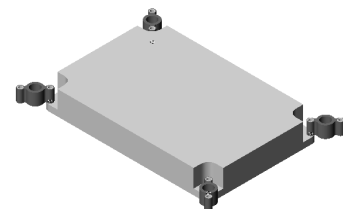
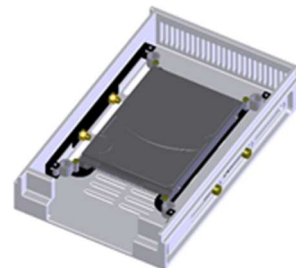
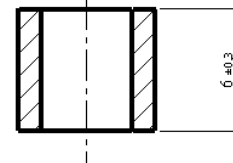
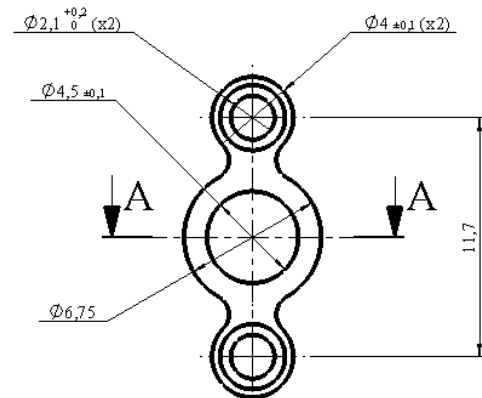
Codification

The reference to be indicated for these dampers is at follows:
GFM-1003-[xx]S, for dampers in silicone,
and GFM-1003-[xx]B, for dampers made in Butyl
[xx] corresponding to the index of load range

Particular achievements with specific load range can be proposed, for any request, consult our engineering departments

Characteristics

In case of a typical mounting as showed in figure, their design gives an axial to radial behaviour with a frequency factor of 1,2.
Their ability to accept high elongations allows a efficient damping of shocks
The load should be applied preferably in OZ axis (vertical as showed on mounting drawing) but all other configuration are acceptable with some particular restrictions of features
The load range for suspended equipment on 4 dampers is from 0,015kg to 0,950kg
The vibration stress can reach $\pm 1,5\text{mm}$ and frequencies from 15Hz (10 Hz is possible in some specific configurations)
The operative temperature range is from -55°C to $+150^{\circ}\text{C}$ for silicone made isolators, and from -20°C to $+80^{\circ}\text{C}$ for butyl made isolators



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