

GFM-1037-10

Construction

The GFM-1037 series dampers are made of elastomers with high mechanical properties and elevated damping, allowing to reach a transmissibility at resonance less than 4.0

These dampers are typically used in data processing equipment appliances, disk drives, medical electronics desk-top equipment, video recorders and all small and sensitive equipment mounted on carriers or on fixed stations

They are specially recommended for very small loads where you need low frequency also
They are generally mounted like fig.1, enabling a more isotropic insulation and the grooves will avoid the twist of rubber during installation
Approximate weight of damper: 1.3 grams

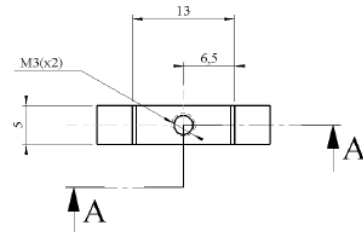
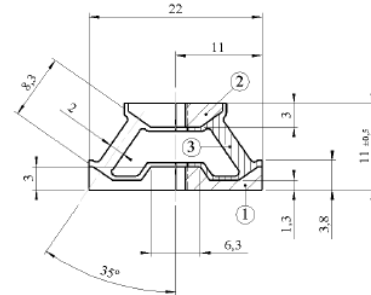
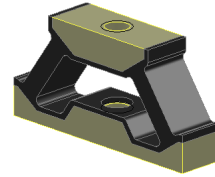


Fig. 1

Characteristics

Like fig.2, the axial vertical axis to radial longitudinal frequency ratio is about 1.35 (vertical stiffer than longitudinal)
The axial vertical to radial transversal frequency ratio is about 2.1

It is recommended to apply the load in vertical axis
When loaded at 200gr on 4 isolators as described in fig.1 and exposed to Random Vibration 0.071g²/Hz in all 3 axis,
The insulation will have a frequency between 40 and 75 Hz depends to the axis and an output of max 6.0 GRMS

By Shock of 45g/11ms, the output will reach 60g

The max torque to apply is: 0.55N.m

The operative temperature range is from -55°C to +150°C

The Shelf life is of 10 Years in normal conditions (NF-L-17-103)

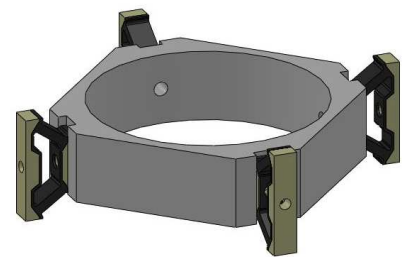


Fig. 2

