MegaSig

V1.2 20260518

# SK 506 振动台

# 产品规格书

# SK 506 Shaker

# Product Specification

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## 产品简介



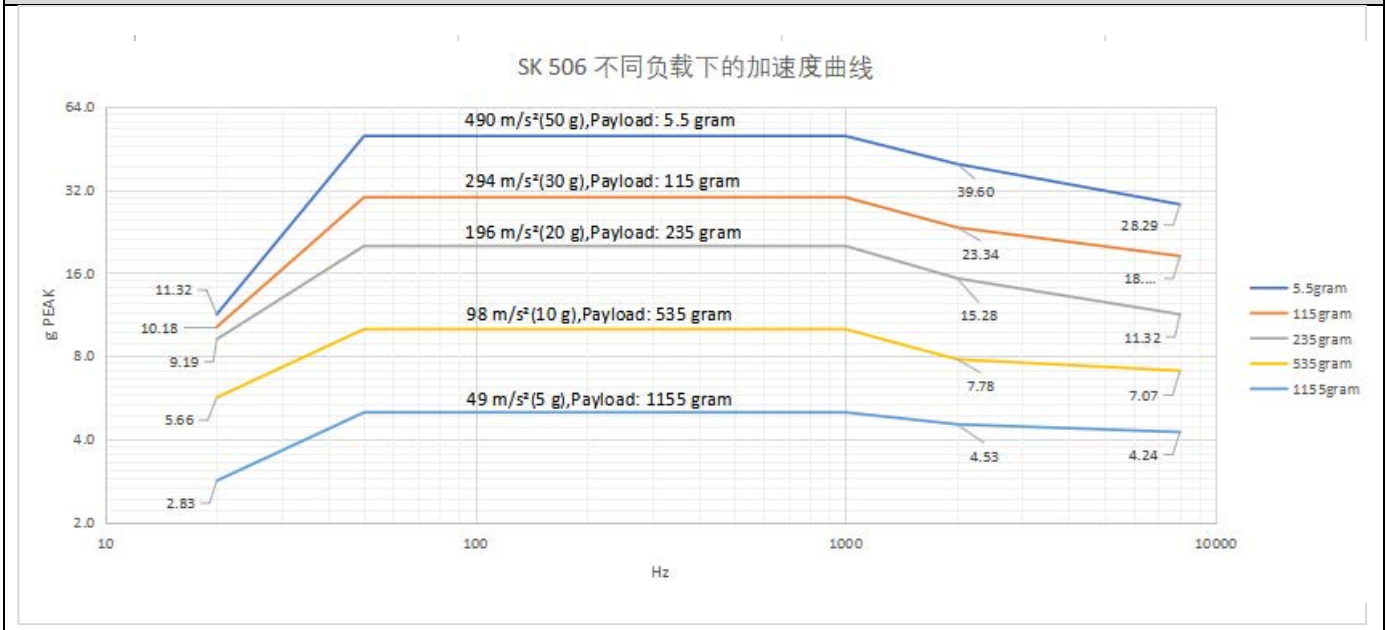

### SK 506 振动台

SK 506 是一款设计用于小型振动台使用的振动台，适用适用于加速度计校准、小物体振动实验、机械阻抗测量、实验模态分析。

## 规格参数

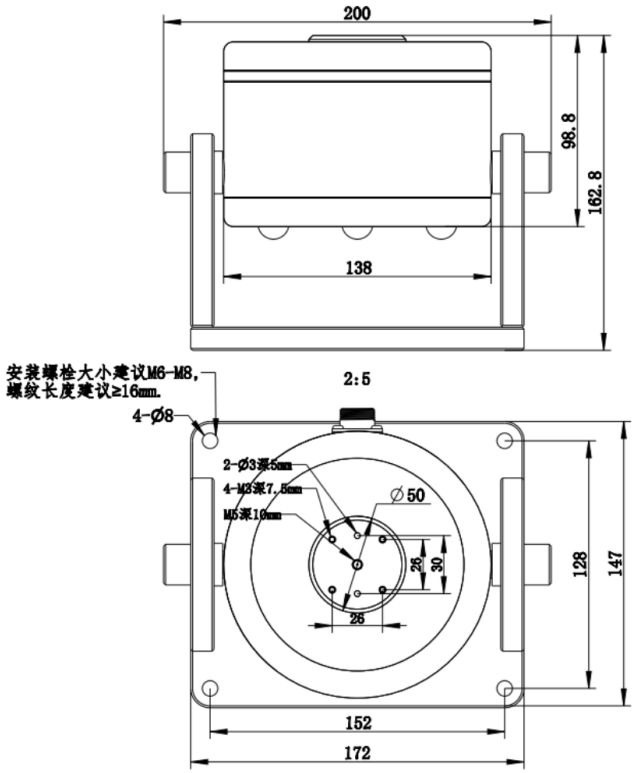
| 整体参数 | |
|---|---|
| 额定出力（峰值） 正弦/随机 | 50N |
| 最大振幅 | ± 7.5 mm |
| 最大加速度 | 35 g |
| 最大输入电流 | ≤18Arms |
| 频率范围 | 20Hz - 8kHz |
| 一阶共振频率 | ＜90Hz |
| 动圈直流电阻 | 0.7Ω ± 0.1Ω |
| 力常数(N/A) | 3.1 |
| 横向振动 | ≤10% |
| 可动部件质量 | 0.155kg |
| 外形尺寸(mm) | Φ138× 172 |
| 安装孔尺寸(mm) | 152×128 /4-Φ8 |
| 重量 | 8.1 Kg |
| 输出方式 | 顶杆 |
| 连接方式 | M5 |
| 弹性支撑刚度(N/mm) | 3 |
| 强迫风冷 | 无 |
| 非线性 | ≤3%（对最大激振力） |
| 工作温度 | -30 ℃ - +70 ℃ |

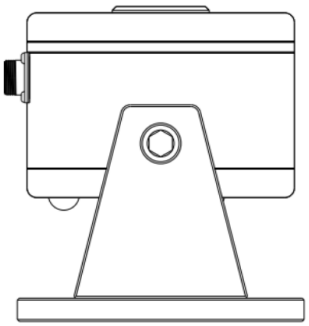
# SK 506-不同负载下的加速度曲线以及推力曲线

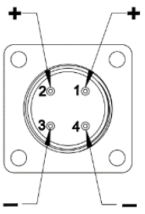
| 不同负载下的加速度曲线 |
| --- |
|  |

## 尺寸与结构

单位：mm






接口引脚定义

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## Product introduction



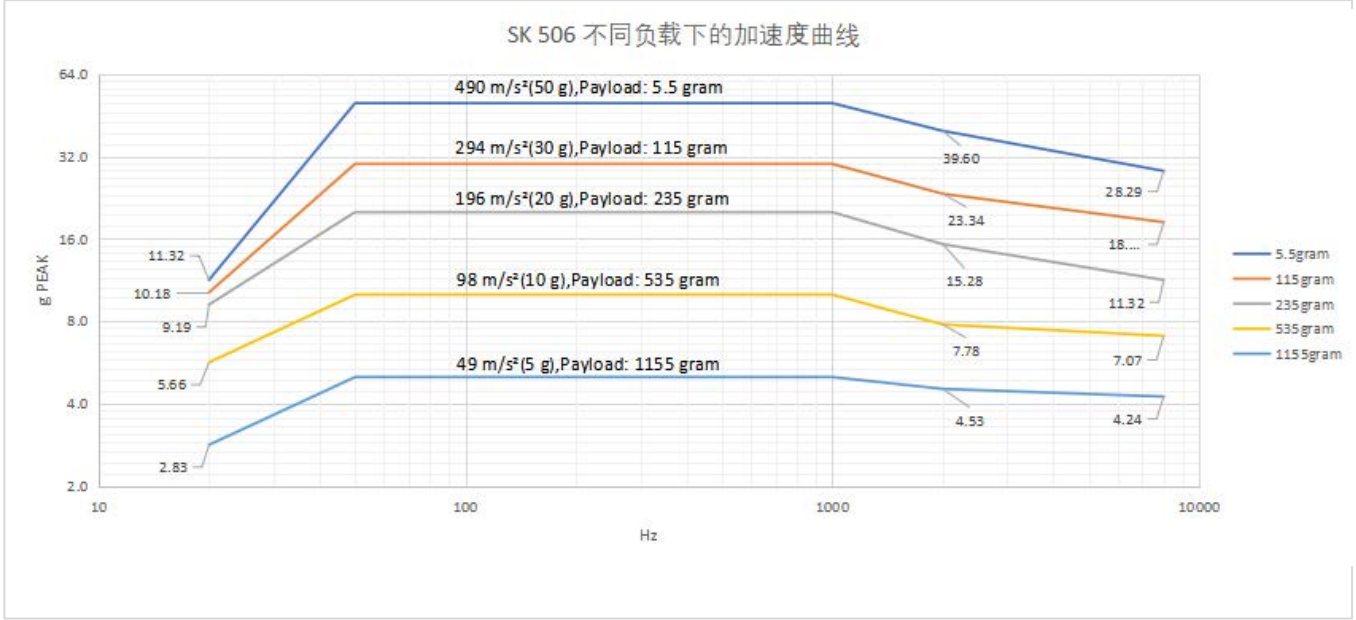

### SK 506 Shaker

SK 506 is a vibration table designed for use with small shaker, suitable for Accelerometer calibration、Vibration testing of small objects、Mechanical impedance measurements、Experimental modal analysis.

## Specification parameters

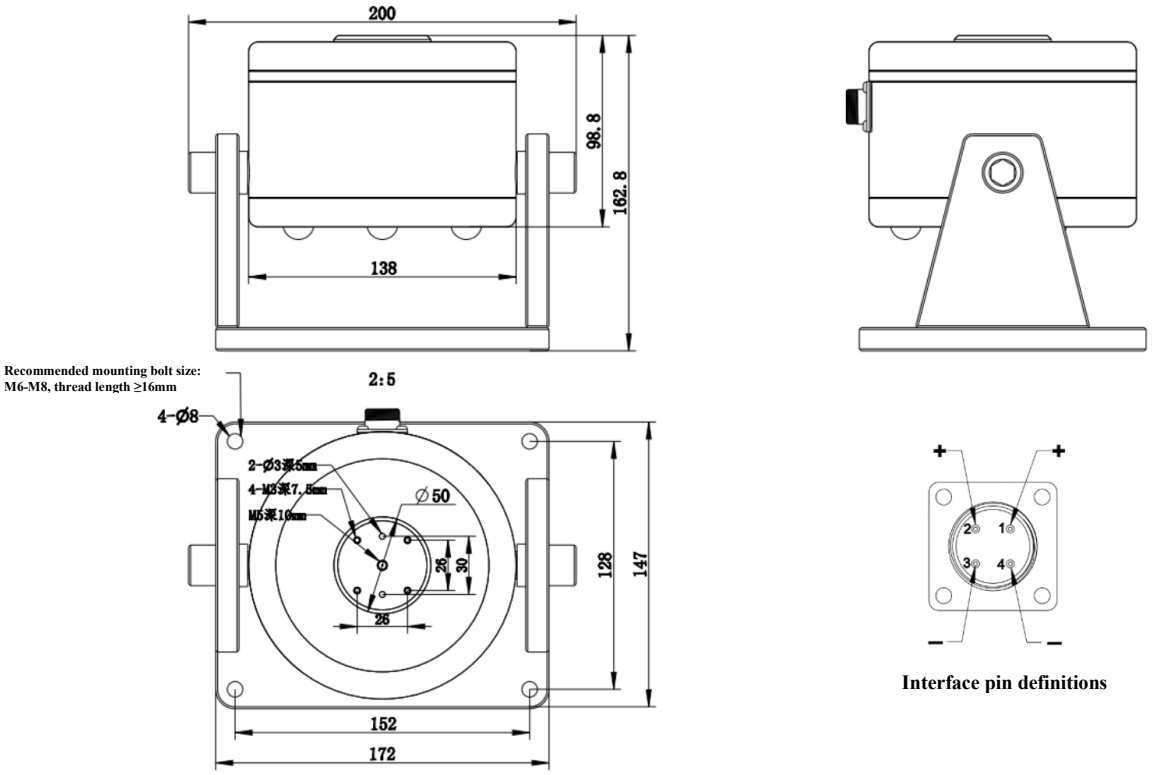
| Parameters | |
|---|---|
| Rated force output (peak) sine/random | 50N |
| Maximum amplitude | ± 7.5 mm |
| Maximum acceleration | 35 g |
| Maximum input current | ≤18Arms |
| Frequency range | 20Hz - 8kHz |
| First-order resonant frequency | ＜90Hz |
| Voice coil direct current | 0.7Ω ± 0.1Ω |
| Force constant（N/A） | 3.1 |
| Lateral vibration | ≤3% |
| Moving mass | 0.155kg |
| Dimension (mm) | Φ138× 172 |
| Installation hole dimensions (mm) | 152×128 /4-Φ8 |
| Weight | 8.1 Kg |
| Output method or output type | Piston rod |
| Connection method or connection type | M5 |
| Elastic support stiffness or spring rate (N/mm) | 3 |
| Forced air cooling | Not |
| Nonlinearity | ≤3%（Regarding maximum excitation force） |
| Working temperature | -30 ℃ - +70 ℃ |

# SK 506 Acceleration curves and thrust curves under different loads

| Acceleration curves under different loads |
| --- |
|  |

## Size and Structure

**Unit: mm**







**Interface pin definitions**

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