

SRH中频滑环

SRH Medium Frequency Slip Ring

特点 Features

- 专为传输中频信号设计，采用行业尖端技术，具有比同类产品更大的带宽。 Design for medium frequency signal; adopt the sophisticated technology, larger bandwidth.
- 误码率小于 10^{-11} 。 Error rate $< 10^{-11}$
- 每路多点接触，低接触压力，低噪音和低接触磨损，超长的使用寿命。 Multi contact point in each circuit, low contact pressure, low noise, low contact wear,; extremely long life time
- 可加载标准模块同时满足功率和信号的传输。 It Can use standard moulds parts to transmit power and signals.

可选项Options

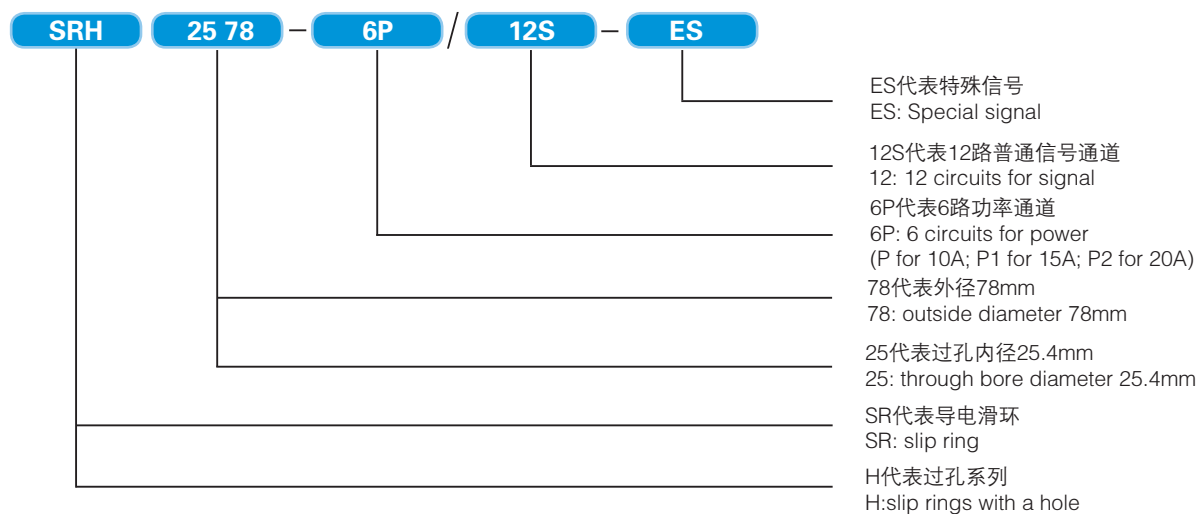
- 加载标准模块Standard model parts
- 通过信号速率或频率
Transmitting rate or frequency
- 隔离度Isolation
- 颜色 Color

典型应用 Typical Application

- 军用天线、雷达等通讯设备
Military antenna, radar or other communication equipment

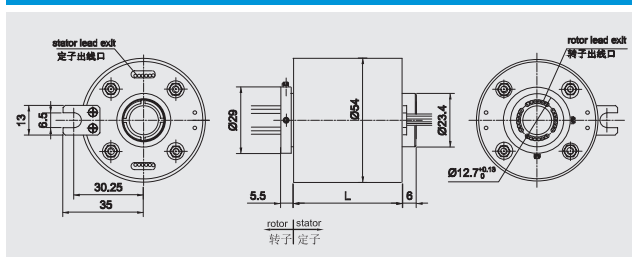
型号选用说明

Model explanation

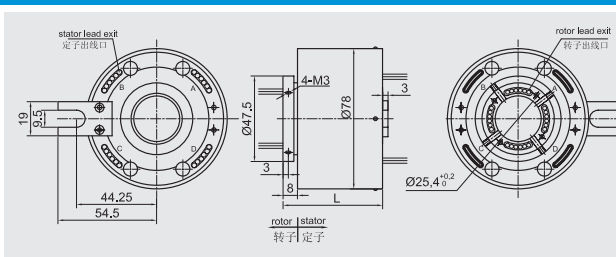


型号 TYPE	外形尺寸 OUTLINE DIMENSION 单位UNIT (mm)
<p>SRH1235ES</p>	

外形尺寸 OUTLINE DIMENSION 单位UNIT (mm)

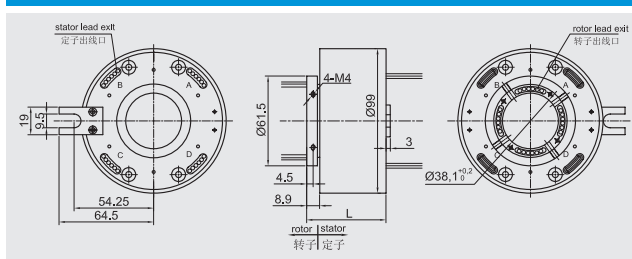


SRH1254-ES

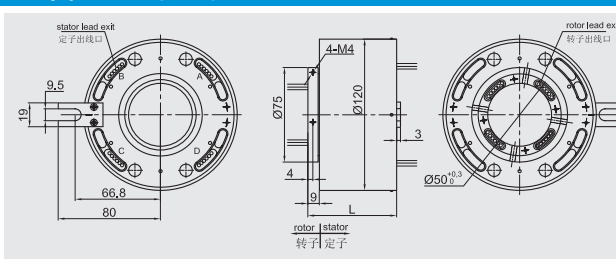


SRH2578-ES

外形尺寸 OUTLINE DIMENSION 单位UNIT (mm)



SRH3899-ES



SRH50120-ES

电气技术指标 Electrical data

型号 Model	频段 (MHz)	插入损耗 (dB)	回波损耗 (dB)	隔离度 (dB)
SRH1235-XX-ES	0 ~ 250	≤ 1.0	≥ 14	30
	250 ~ 550	1.0 ~ 2.0		
SRH1254-XX-ES	0 ~ 200	≤ 1.0		
	200 ~ 350	1.0 ~ 2.0		
SRH2578-XX-ES	0 ~ 220	≤ 1.0		30、50可选
	220 ~ 470	1.0 ~ 2.0		
SRH3899-XX-ES	0 ~ 175	≤ 1.0		30、50可选
	175 ~ 290	1.0 ~ 2.0		
SRH50120-XX-ES	0 ~ 95	≤ 1.0	30、50可选	
	95 ~ 200	1.0 ~ 2.0		

以上参数均为根据测试结果取得的最优使用频段，并不是滑环的极限使用频率，一般我们认为单环道极限频率 $f_{lim} = 3 \times 10^8 \div [\pi \times (\text{内径} + 10 \sim 15) \times 10^{-3} \times 4]$ (Hz)。

The data above is the best frequency band chosen based on the testing result instead of slip ring's limit using frequency, normally, the limit frequency for each ring (f_{lim}) = $3 \times 10^8 \div [\pi \times (\text{ID} + 10 \sim 15) \times 10^{-3} \times 4]$ (Hz)

机械技术指标 Mechanical data

参数 Specification	数值 Values
额定转速 Operating Speed	0~250rpm
工作温度 Working temperature	-20°C ~ +80°C
工作湿度 Humidity	≤95%RH
接触材料 Contact Material	贵金属 Precious metal
壳体材料 Housing Material	铝合金 Aluminium alloy
防护等级 Protection level	标准IP51, 可选IP54, IP65 Standard: IP51, Optional: IP54, IP65