

耐高温导电滑环是在过孔式或者帽式导电滑环基础上进行延伸的滑环系列之一，主要用于高温环境中传输精密信号、微弱电流、大电流、高电压；具有低扭矩，低损耗、免维护；低电气噪音、超长寿命等主要特点；

PSR-HTA-C 高温帽式导电滑环是一系列标准产品，采用紧凑型设计，接触材料使用金；针式电刷和 V 型导电环设计，保持多点稳定接触，是滑环优越性能的基本保证；

PSR-HTA-C 包含 PSR-HTA-C6, PSR-HTA-C12, PSR-HTA-C15, PSR-HTA-C24 几款导电滑环基本型号，提供 6 路，12 路，15 路，24 路传输电路；并有多款外型样式可供选择，或可根据客户需求定制外型；



The PSR-HTA-Cs slip ring capsule is a standard, off-the-shelf series product, that uses gold contacts at the rotary interface. Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.

Using a 90° V-groove ring design for each ring, the PSR-HTA-Cs provides smoother running, lower torque low contact wear rates than competitive slip ring. PSR-HTA-Cs include PSR-HTA-C6, PSR-HTA-C12, PSR-HTA-C15, PSR-HTA-C24 slip ring model, provides 6, 12, 15, 24 circuit configurations.

| PSR - HTA | C 6 | - A | |
|-----------|------------|-----|-------|
| 产品代码 | 系列代码 | 通路数 | 外型样式 |
| | 高温等级选择 | 6 | A |
| | A:80-150℃ | 12 | B |
| | B:150-240℃ | 15 | C |
| | C:240-400℃ | 24 | D |
| | 可选择通路数 | | E |
| | | | |

1 特性 Feature

- 紧凑化设计，小体积，满足苛刻空间需求
- Compact miniature design, small size fit for harsh space
- 模块化设计，满足更高电流，转速，外形等需求
- Module design; Meet the most of requirement
- 多样化外形，支持更多安装要求
- More install method for option
- 支持信号，电源及其混合传输；
- Can combine signal and power in same slip ring

2 材料及配件 Material and Parts

| | |
|------------------|----------------------------|
| 壳体材料 | 工程塑料 |
| House | Engineering Plastics |
| 接触材料 | 贵金属：金-金 |
| Contact material | Precious: Gold-Gold |
| 导线 | 12 色 AWG#28 Teflon 高温导线 |
| Lead Wire | 12color #28AWG Teflon wire |
| 轴承 | 精密滚珠轴承 |
| Bearing | Precision ball bearings |

3 电气性能 Electrical Spec.

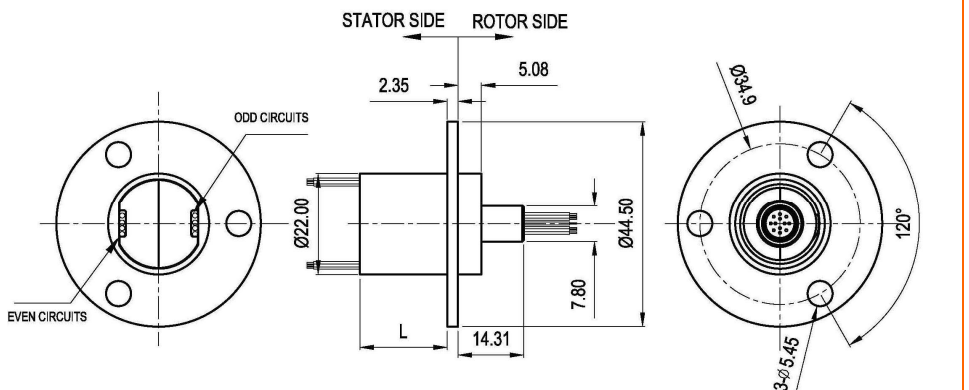
| | |
|-----------------------|-------------------------------|
| 额定电压 | 240VAC |
| Rating voltage | 240VAC |
| 额定电流 | 2A/路, 并联支持 5A, 10A |
| Rating current | 2A /Ring, 5A, 10A by combined |
| 绝缘电阻 | 1000MΩ@500VDC |
| Insulation resistance | 1000MΩ@500VDC |
| 耐压 | 600VDC@50Hz |
| Dielectric strength | 600VDC@50Hz |
| 电气噪音 | 10mΩ@6VDC, 50mA, 5Rpm |
| Electrical noise | 10mΩ@6VDC, 50mA, 5Rpm |

4 机械性能 Mechanical Spec.

| | |
|-----------------|----------------|
| 转速 | 300 转/分钟 |
| Speed | 300 Rpm |
| 工作温度 | -40 ℃ ~ +400 ℃ |
| Operation temp. | -40 ℃ ~ +400 ℃ |
| 扭矩 | 0.01N.M |
| Torque | 0.01N.M |
| 防护等级 | IP54 |
| Seal class | IP54 |

基本型号及尺寸 Basic Model and Size

| 基本型号 Model NO. | 通路数 Circuits | 长度 L Length "L" |
|----------------|--------------|-----------------|
| PSR-HTA-C6 | 6 | 14.5mm |
| PSR-HTA-C12 | 12 | 21.3mm |
| PSR-HTA-C15 | 15 | 29.5mm |
| PSR-HTA-C18 | 18 | 35.1mm |
| PSR-HTA-C24 | 24 | 35.1mm |



专业 技术 可靠