

Integrated Slip Rings for Automation



The LPT000-0615-11S- HF02 is a compact, integrated slip ring combining Through Bore Slip Ring and High Frequency Slip Ring designs. Featuring IP60 protection and precious metal contacts, it ensures stable and efficient power and signal transmission. Perfect for automation, robotic arms, and rotating platforms, this slip ring delivers exceptional performance in dynamic environments.

High Frequency Specifications			
Channel	2	Body Material	Aluminum Alloy
Frequenc Range	DC-4.5GHz	Weight,approx	about0.13KG
Interface Type	SMA-K (50Ω)	IP Protection Level	IP60
VSWR,Max.	1.2/1.5	Operation Temperature	-55~ +70°C
VSWR,WOW	0.05/0.2	Storage Temperature	-55~ +85°C
Insertion Loss,Max	0.25dB/0.3dB(Without Cable) 2.5dB (1mTFLEX405Cable)	Humidit(Operation)	95%
Insertion loss WOW	0.05dB/0.3dB	Humidit(St)	95%
Peak Power,Max.	1000W	Starting Torque	0.05Nm@normal temperature
Average Power,Max.	30W@4.5GHz/10W@4.5GHz	Continuous Rotational Torque	0.05Nm@normal temperature
Phase WOW	0.5°/4°	Rotating Speed,Max.	200rpm
Rotating Speed,Max.	200rpm	Life time,Min	≥10 Million Revolutions

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Model	Applications
LPT000-0615-11S-HF02	Automation / robotic arms / rotary platforms