

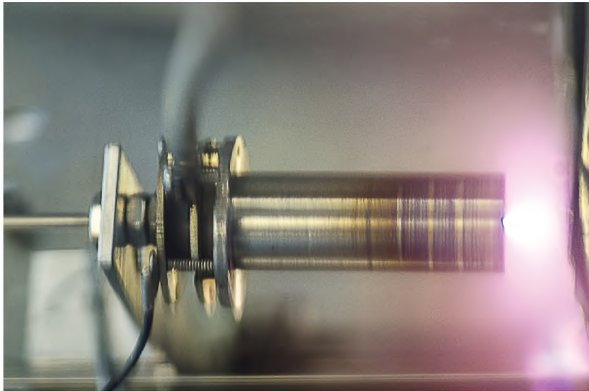


SHC 20

The structure of the cathode corresponds to the classical scheme of the hollow cathode and includes the start heater and the keeper.

We use of alkali metal salts as the activator material is a unique feature of the cathode. The use of alkaline metals salts as the material of the activator allows keeping on working efficiency of the product under the conditions of vacuum system depressurization, besides use a high purity gaseous working substance is not required.

Provides 1.5A discharge current at a 0.05 mg / s mass flow rate of the working gas (Xenon) and provides a maximum discharge current up to 5A. Power start heating is 40W, the heating time lasts 120s. Power consumption in operation - 45W. A distinctive feature of the cathode is reliable starting.



SPECIFICATIONS

Emitter Material	Cesium
Discharge Current	1.5-5 A
Ignition Voltage	300-800 V
Lifetime	>3000 hours
Max Heater Power	45 W
Propellant	Xe grade 4.0 or higher
Mass Flow Rate	0,05 mg/s
Interface Temperature Range	- 70 °C to + 150 °C
Max Dimensions w/o harnesses (Diameter x Length)	53 x 20 MM