

LS734

Linear Stirling Cryocooler

Match All kinds of
Cooled IR Detectors



Description

LS734 linear stirling cryocooler adopts moving magnet linear motor, self-lubricating coating and other technologies to effectively improve its reliability and operating life. In addition, the compressor and dewar are connected by connecting pipes, which can realize a flexible layout in various application scenarios.

Features

- Fast cooling, wide operating temperature range, low vibration, low noise, high reliability; meet the needs of 7*24H long-time operation

Application

- Gas Leak Monitoring, Security Monitoring and other scenarios that require long time operation



Specifications

Model	LS734
Type	Linear Stirling Cryocooler
MTTF	≥ 20000 hrs
Maximum Size (mm)	Compressor $\Phi 46 \times 122$ Expander $\Phi 40 \times 88$
Weight	≤ 1.0 kg
Cooling Power	(@77K@20°C) ≥ 1300 mW
Operating Temperature	-45°C~+71°C
Storage Temperature	-55°C~+85°C
Environmental Specification	GJB150A-2009
Input Voltage	24DC
Max Power Consumption	≤ 50 W
Steady Power Consumption	≤ 10 W (430mW@77K@20°C)
Cooling Time	≤ 4 min (450J@77K@20°C)
Cold Finger Size	$\Phi 8$ mm
Electronics	Built-in
Integration Method	IDDCA

Specifications are subject to change without prior notice.

Wuhan Global Sensor Technology Co., Ltd

+86 27 81298493

marketing@gst-ir.com

www.gst-ir.net

No. 6 Huanglongshan South Rd, Wuhan 430205, P.R.China