



Match All kinds of Cooled IR Detectors





Description

RS058 is one of the integral rotary stirling cryocooler series developed by Global Sensor Technology (GST). It provides a miniature closed cycle cooling system to ensure a cryogenic working environment for the normal operation of cooled infrared detectors. Its motor windings are separated from the working gas to prevent contamination. High wear-resisting coating and clean room assembly are applied to prolong the lifetime and high reliability.

Principle

 Adopt key technologies such as high-efficiency brushless DC motor drive, high-efficiency wear-resistant coating, and high-precision miniature bearing support

Features

■ Compact structure, small size, light weight, adapt to various harsh environments

Application

 Widely used in various electro-optical systems such as handheld imagers, pods, turrets, security monitoring, ADAS etc.



Model	RS058
Туре	Integral Rotary Stirling Cryocooler
MTTF	≥10000hrs
Maximum Size (mm)	116×58.5×71
Weight	≤430g
Cooling Power	(@77K@20°C) ≥550mW
Operating Temperature	-45°C~+71°C
Storage Temperature	-55°C~+85°C
Environmental Specification	GJB150A-2009
Input Voltage	18-28VDC/12-16VDC
Max Power Consumption	≤14W
Steady Power Consumption	≤5.5W(220mW@77K@20°C)
Cooling Time	≤5min(250J@77K@20°C)
Cold Finger Size	Ф8тт
Electronics	Built-in
Integration Method	IDDCA

Specifications are subject to change without prior notice.

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