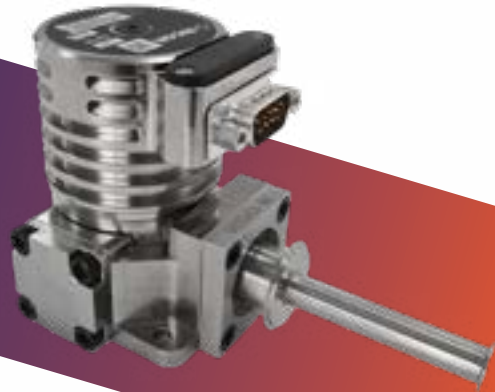
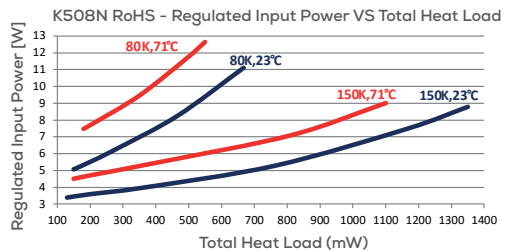
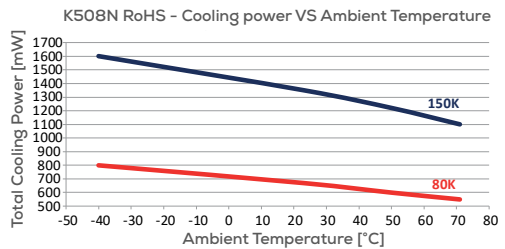
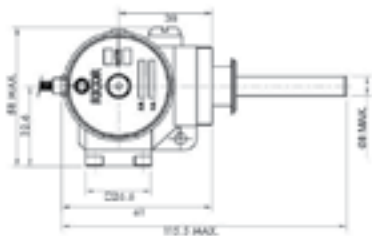
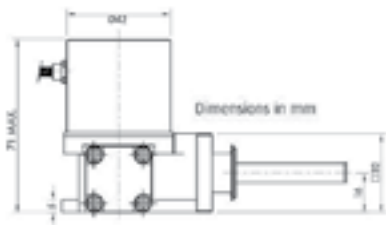


# K508N

## ROHS



- RoHS Compliance Cryocooler
- High Reliability of 28,000 Operating Hours
- Includes Onboard RoHS Temperature Controller
- Ruggedized and Robust Design
- For Standard 77K Detectors and HOT Detectors
- Completely Interchangeable with Detectors / Systems Using K508/N
- Available with Finned and Smooth Motor Housing



## SPECIFICATIONS

• Total cooling power: 900mW@110K@71°C	• Cold tip temperature range: 65K-150K	• Temperature stability: ±0.5K
550mW@77K@71°C	• Product maturity: under production	• Meets environmental conditions per MIL-STD-810
• MTTF: >28,000hr @ Basic profile	• Cooler weight: 475gr	• Acoustic noise: <35dB @ 5 meter
• Steady state input power: (≥200mW@80K@23°C): 5.5 Wdc typ.	• Input voltage: 8.5-32Vdc	• Service life: 15 years
• Maximum input power: 20Wdc typ.	• Ambient temperature range: - Operational: -40°C...+85°C - Non-Operational: -55°C...+85°C	• Standard warranty*: 10,000hr/2 years
• Cool down time: (250J@80K@23°C): 5 min. typ.		* Option to propose extended warranty