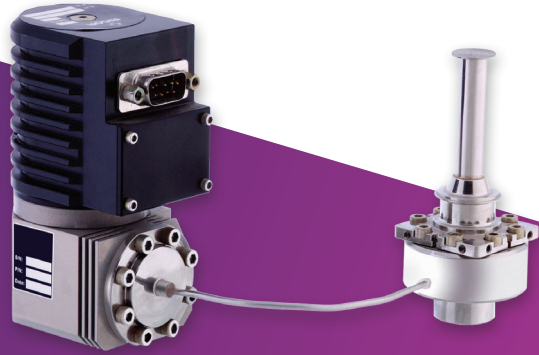


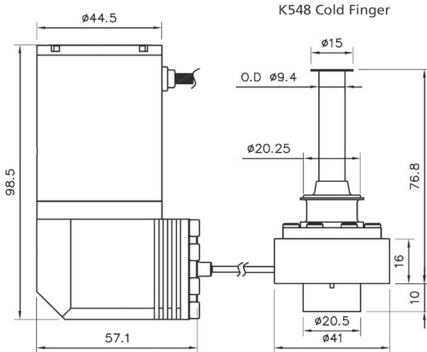


K549

9mm Cold finger

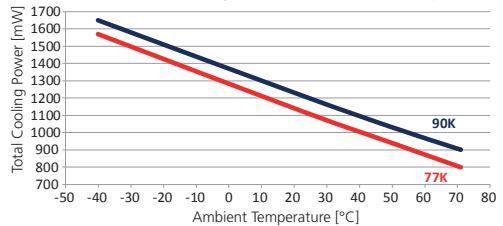


- >10,000 Coolers Have Been Fielded Since 2002
- Split Configuration for System Design Flexibility
- Ideal for Gimbaled Payloads Systems
- Highly Reliable Services in Harsh Environment
- Use K548 Cold Finger
- Includes Onboard Temperature Controller

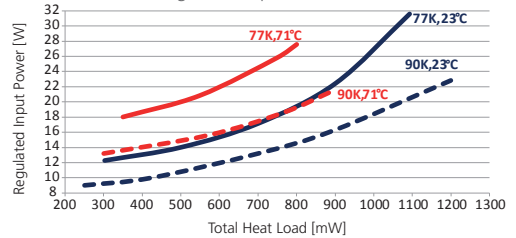


Dimensions in mm

K549, 9mm - Cooling Power VS Ambient Temperature



K549, 9mm - Regulated Input Power VS Total Heat Load



SPECIFICATIONS

| | | |
|-----------------------------------|--|---------------------------------------|
| • Total cooling power: | • Cold tip temperature range: 65K-110K | • Temperature stability: ±0.5K |
| 900mW@90K@71°C | • Product maturity: under production | • Meets environmental conditions per |
| 800mW@77K@71°C | • Cooler weight: 940gr | MIL-STD-810 |
| • MTTF: >10,000hr @ Basic profile | • Input voltage: 20-32Vdc | • Acoustic noise: <45dB @ 5 meter |
| • Steady state input power: | • Ambient temperature range: | • Service life: 15 years |
| (300mW@80K@23°C): 12 Wdc typ. | - Operational: -40°C...+100°C | • Standard warranty*: 3,000hr/2 years |
| • Maximum input power: 40Wdc typ. | - Non-Operational: -55°C...+115°C | • Option to propose extended warranty |
| • Cool down time: | | |
| (500J@77K@23°C): 5 min. typ. | | |