CryoTel® DS 1.5

1.4W Cryocooler

- Nominal Lift @ 77 K (23°C reject): 1.4 W
- Nominal Input: 30 W
- Cooler Mass: 1.2 kg total
- Temperature Stability: ± 0.1 K
- Power Supply: 24 V dc
- Overall Length: Cold Head: 128 mm, Wave Generator: 116 mm
- Outside Diameter: Cold Head: 39 mm, Wave Generator: 55 mm
- Lowest Temperature: 40 K
- Orientation: any
- Operating Frequency: 60 Hz
- MTTF: 120,000 hr Goal

Performance
- Efficiency
- Reliability
The DS 1.5 cryocooler brings gas bearing technology to the mini cryocooler market. The DS (Dual Split) features a dual-opposed-piston pressure wave generator and a separate cold head to minimize exported vibration and acoustic noise. The optional passive balancer will further reduce cold head vibration for sensitive applications. Both the cold head and pressure wave generator can be mounted in any orientation. The DS is able to offer maximum efficiency, reliability, and performance over the lifetime of the product.

Note: Controller consumes < 3.5 W, data shown for power into controller.

Please email sales@sunpowerinc.com for sales information.

The most efficient cryocoolers on the market

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