

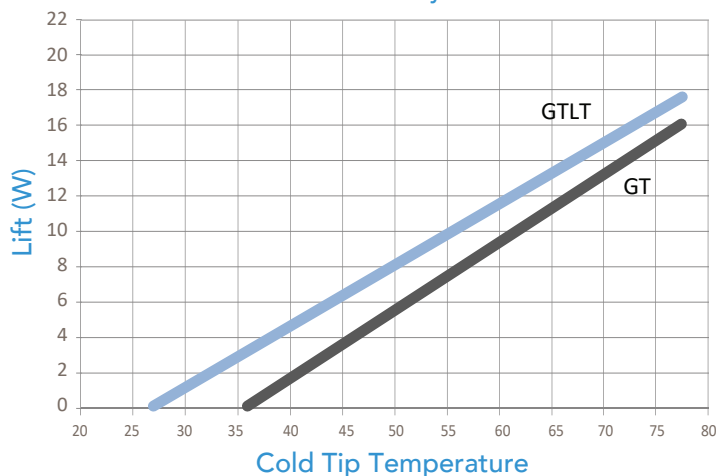
SUNPOWER

CryoTel® GTLT

Sub-30K Single Stage Cryocooler



CryoTel GTLT performance compared to a standard CryoTel GT



Nominal Heat Load @ 77 K (23° C reject)	17.5 W
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Lowest Temperature	< 30 K
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Nominal Input	240 W
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Cooler Mass	3.1 kg
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Temperature Stability	± 0.1 K
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Power Supply	DC 48V (10A)
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Length	276 mm
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Diameter	83 mm
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Orientation	any
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AVC Compatible	yes
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Operating Frequency	60 Hz
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MTTF	> 200,000 hr
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Sunpower is commercializing the GTLT to address applications that require a lower base temperature, or additional cooling around 30-40 K. Its physical envelope is identical to the GT but its design optimizes materials and regenerator structure to increase low-end performance. These changes now offer a no-load temperature of 28 K or lower, with ~1 W of cooling at 30 K and ~3 W of cooling at 35 K.