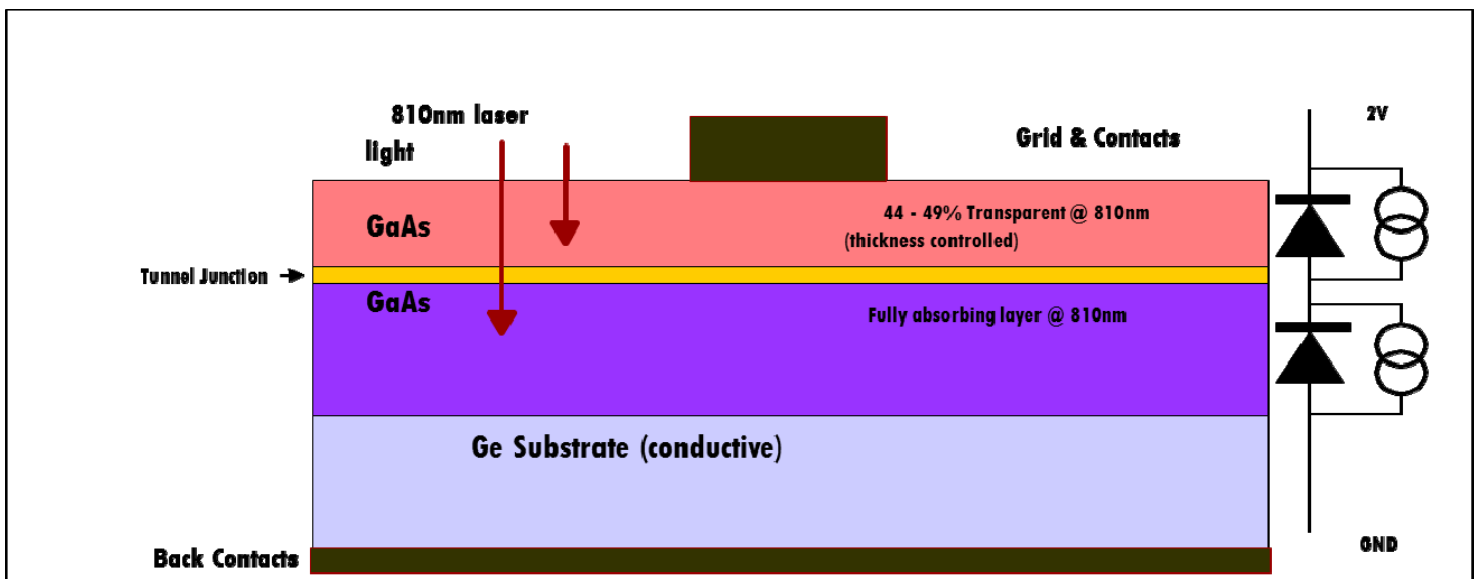


044975: 2V, Dual-junction GaAs Power Converter

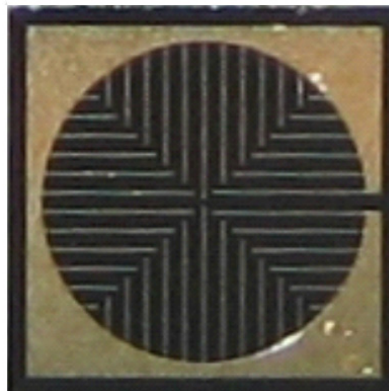
Features

- Monolithic Power-by-Fiber GaAs dual-junction power converter for 810 nm wavelength
- 1.5 mm diameter active area for easy alignment
- Available in die form or packaged in TO can packages with FC and ST connectors
- Single and multi-mode fiber assembly is also available
- High conversion efficiency of 50 – 55% over variety of input power levels

Basic Dual Junction Device Structure



Dual-Junction 2V GaAs Laser Power Converter Die



The information contained on this sheet is for reference only. Actual specifications for delivered products may vary. Rev. NC 6/1/12

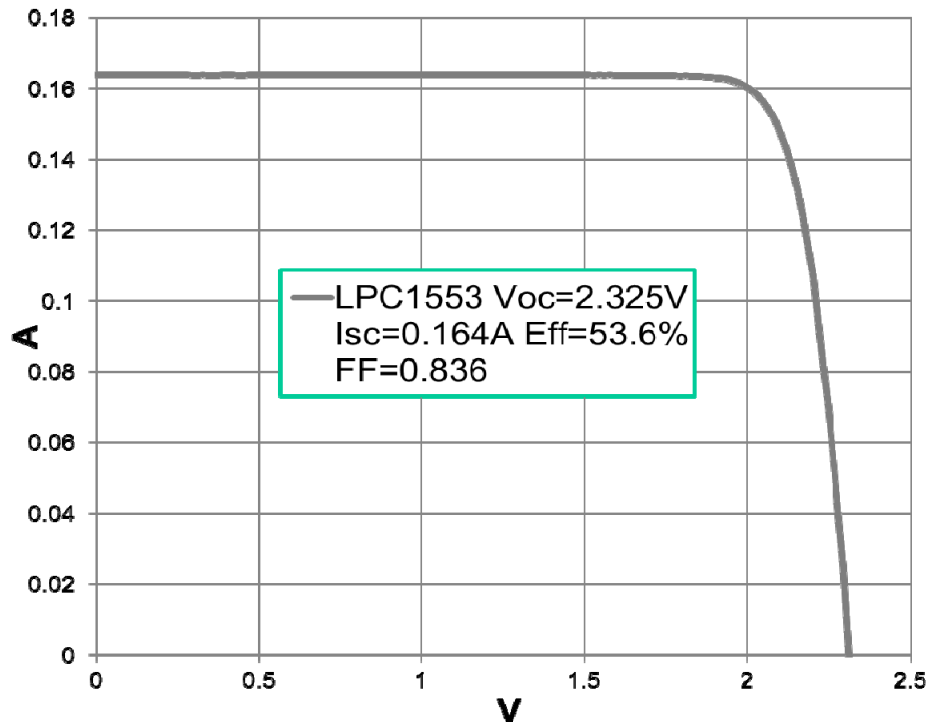


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Typical Laser Power Converter I-V Characteristics



Temperature Coefficients for		
Dual Junction PV Laser Power Converter		
600mW Illumination		
I_{sc}	-1.04E-04	A/°C
V_{oc}	-2.87E-03	V/°C
P_{max}	-6.55E-04	W/°C
Efficiency	-0.11	%/°C Abs
V_{pmax}	-2.80E-03	V/°C

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