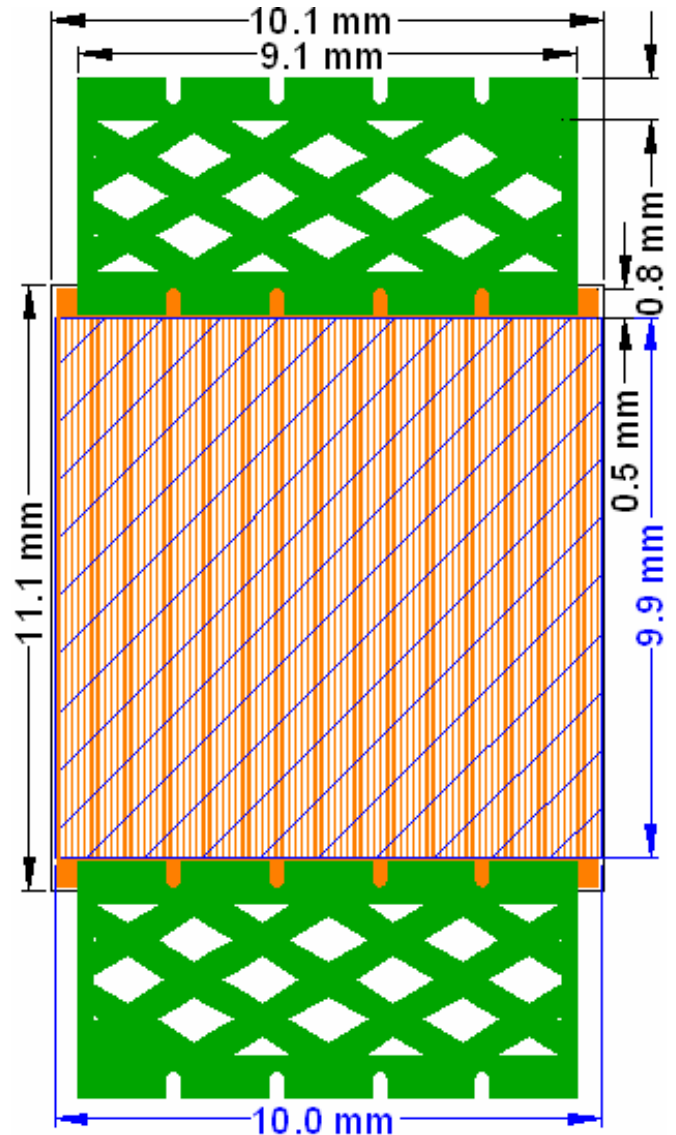


CDO-100-IC Concentrator Photovoltaic Cell with Welded Leads (ICs)

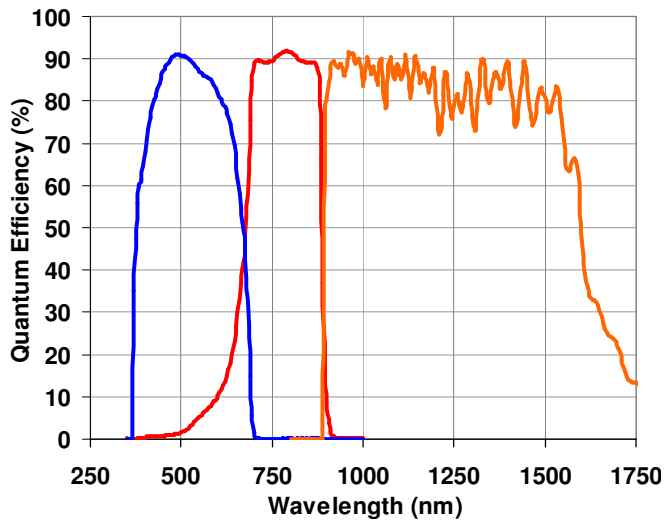
Product Description

Substrate:	Germanium
Structure:	C1MJ
	(Concentrator, 1 st Generation Multijunction)
Aperture Area:	98.9 mm ²
Minimum Average Efficiency:	36%
Operating Temperature:	<100° C
Maximum Temperature:	<350° C
Assembly Options:	Weld
	Solder
	Wire Bond

Layout



Spectral Response

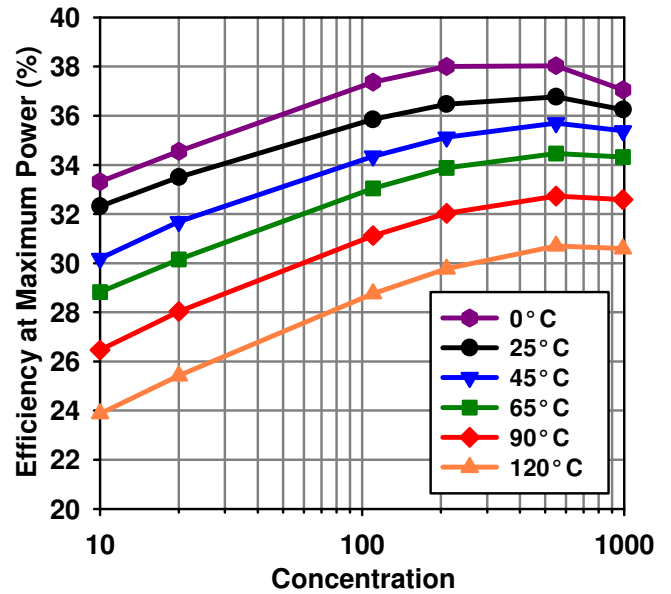
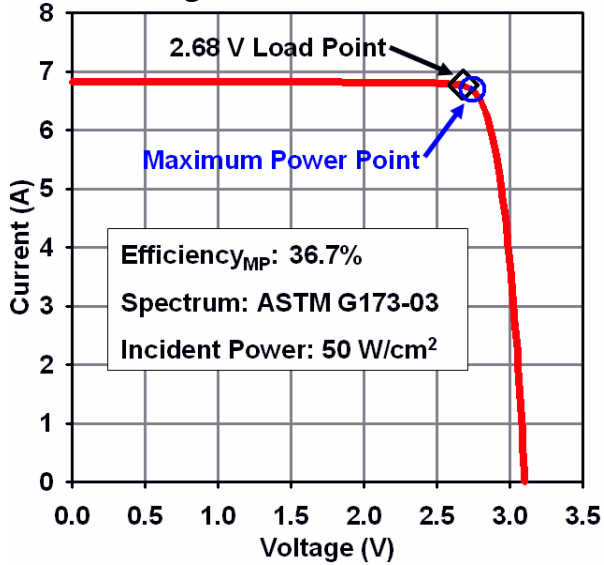


Current Bins at 2.68 V, 50 W/cm²

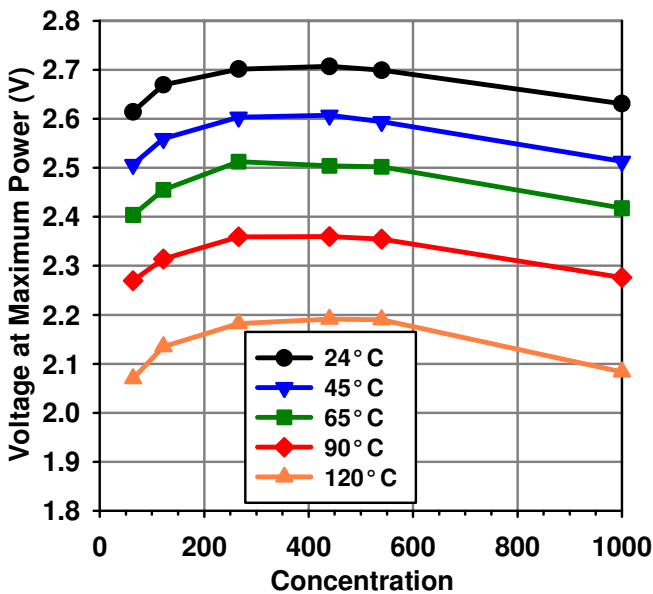
Bin	Current (A)
1	6.26-6.46
2	6.46-6.66
3	6.66-6.86
4	6.86-7.06
5	7.06-7.26

(Aperture dimensions indicated in blue)

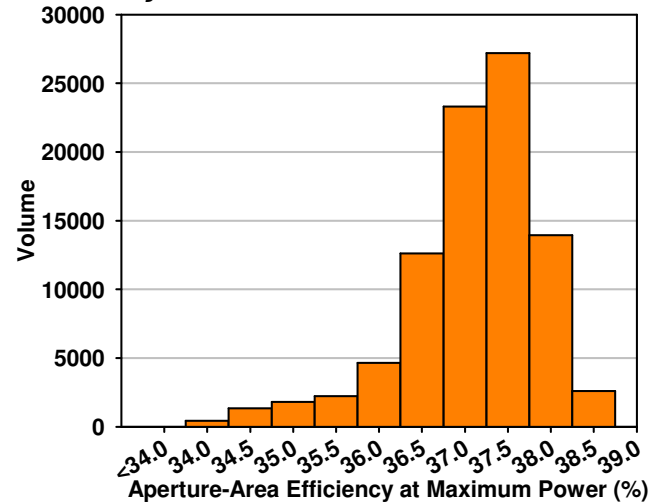
Current-Voltage Characteristic



Performance at Maximum Power



Efficiency Distribution



Qualification

Meets IEEE Standard 1513-2001 for:

- Thermal cycling
- Humidity
- Humidity freeze

Updated: 2007-04-24