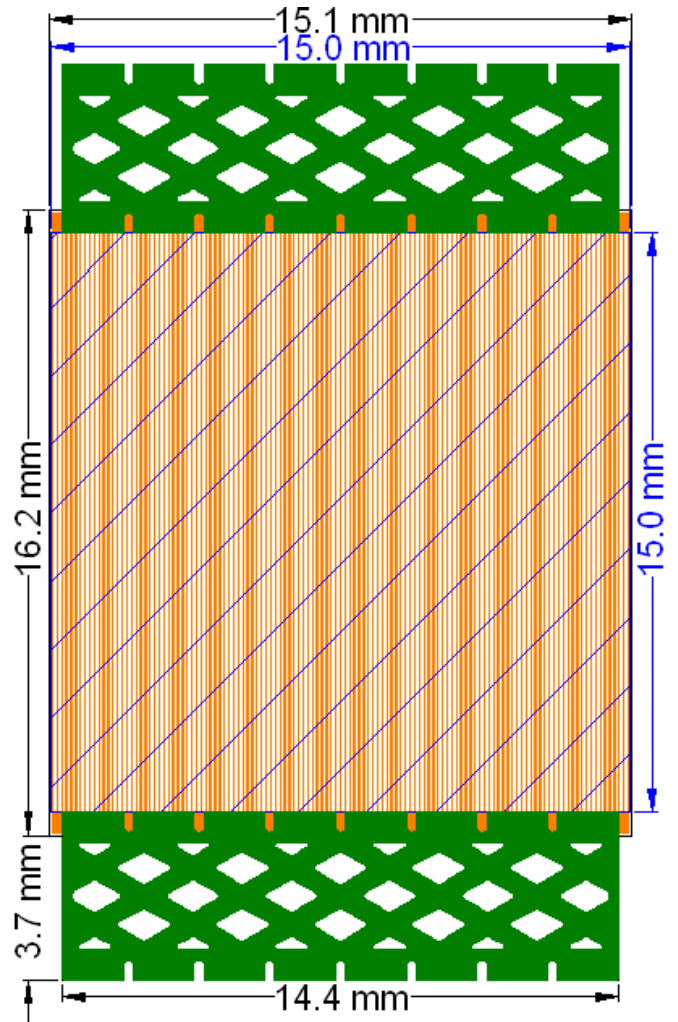


CDO-225-IC Concentrator Photovoltaic Cell with Interconnects

Product Description

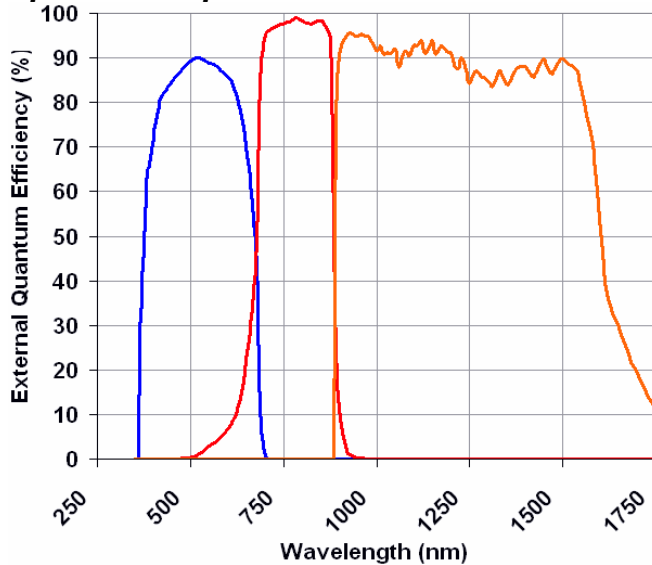
Substrate:	Germanium
Structure:	C1MJ
	(Concentrator, 1 st Generation Multijunction)
Aperture Area:	224.9 mm ²
Operating Temperature:	<100° C
Maximum Temperature:	<350° C
Assembly Options:	Weld
	Solder
	Wire Bond

Layout



(Aperture dimensions indicated in blue)

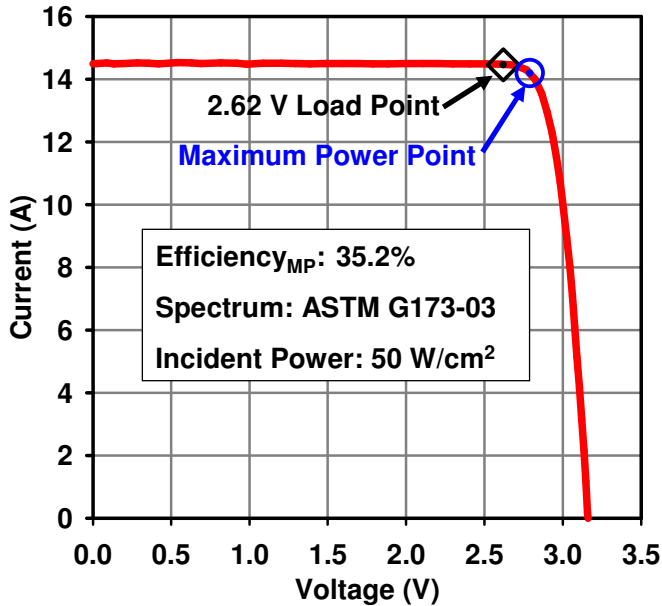
Spectral Response



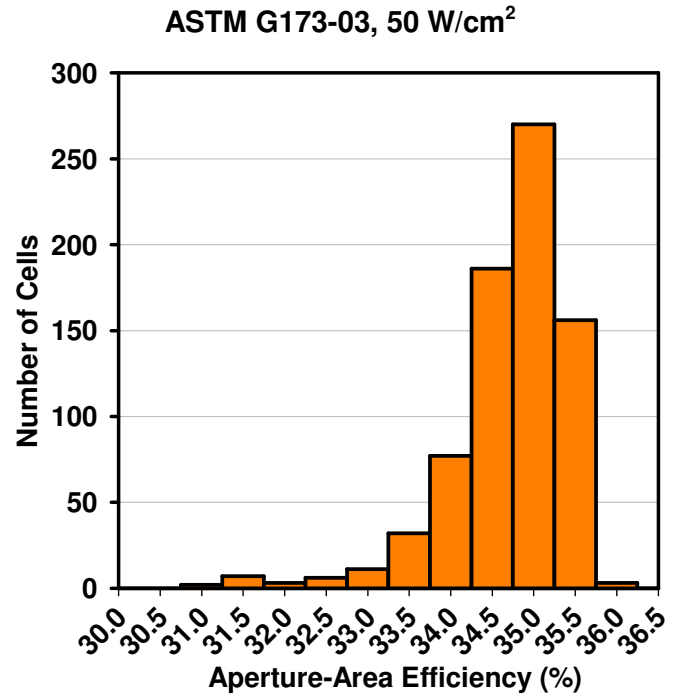
Current Bins at 2.62 V, 50 W/cm²

V _L =2.62 V	
Bin	Current (A)
1	14.20-14.65
2	14.65-15.10
3	15.10-15.55
4	15.55-16.00
5	16.00-16.45
6	16.45-16.90

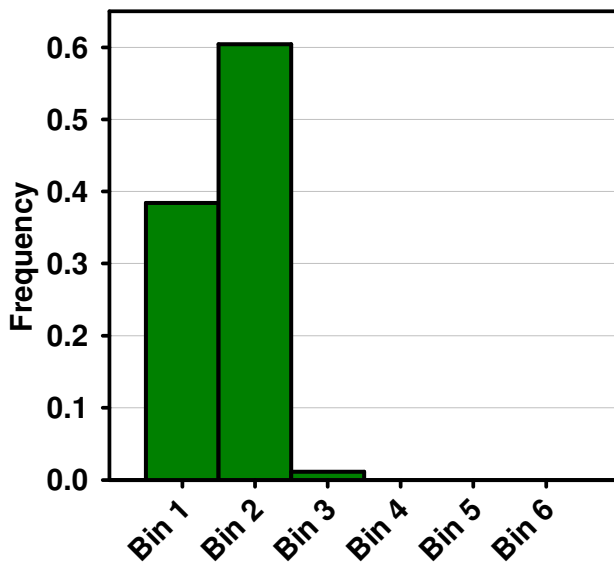
Current-Voltage Characteristic



Efficiency Distribution



Current at Load Distribution



(Bins 4-6 are allocated for near-term performance improvements)

Qualification

Exceeds IEEE 1513-2001 and IEC 62108 standards for:

- Thermal cycling
- Humidity
- Humidity freeze

Updated: 2007-10-06