



Lens shape	Hyperhemisphere				Hemisphere	Flat
	0.5x0.5	1x1	2x2	3x3	0.5x0.5 - 3x3	0.01x0.01 - 4x4
Detector optical area [mm²]	0.5x0.5	1x1	2x2	3x3	0.5x0.5 - 3x3	0.01x0.01 - 4x4
R [mm]	0.5	0.8	1.25	1.6	0.5-1.6	infinity
A [mm]	1.5±0.2	2.4±0.2	3.75±0.2	4.8±0.2	0	0
B [mm]	1.9±0.2	1.9±0.2	1.9±0.2	1.9±0.2	1.9±0.2	1.9±0.2
FOV	~36°	~36°	~36°	~36°	~90°	~90°

Pin out	
Signal	1(+) and 2(-)
Chassis Ground	3

4	Sapphire pad	Sapphire
3	Detector	GaAs
2	Detector cap	Brass
1	TO-39 housing	Gold plated Kovar
No.	Name	Material



UNIT: mm		Date:	17-Jan-15
GENERAL TOLERANCE:		SCALE:	2:1
XX=±0.1 / XXX=±0.05		DWG NO:	DT-T039.002

SHEET 1 OF 1

SIZE	TITLE:	WEIGHT:
A4	Detector T039	3±1 g

WEIGHT: 3±1 g

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VIGO System's detectors contains miniature amounts of mercury and cadmium but as part of medical devices, monitoring and control instruments can be treated as an exempt from the UE Directive on the Restriction of Hazardous Substances (RoHS).