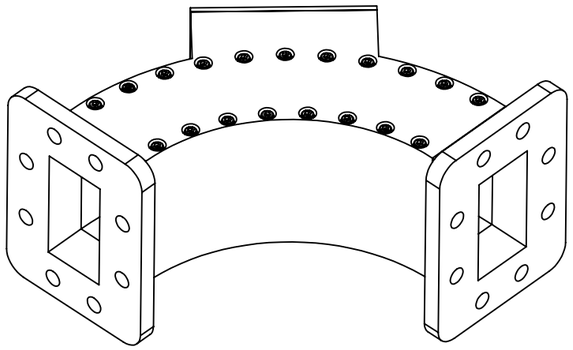
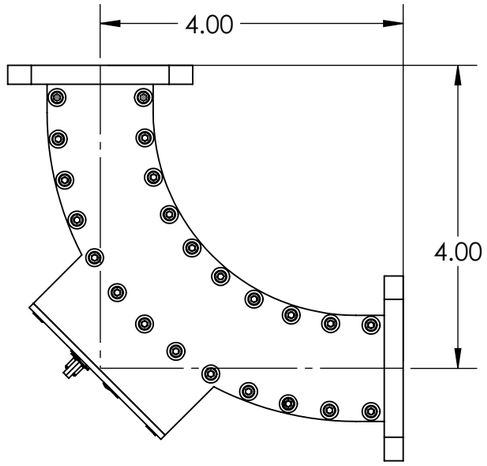
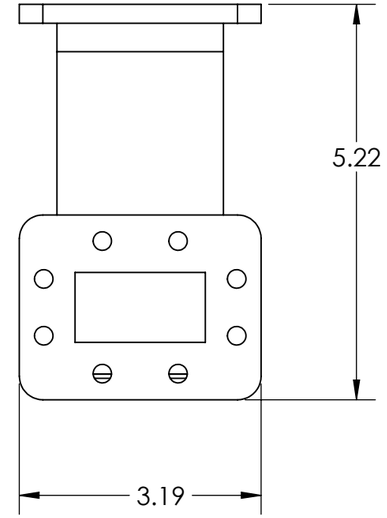






Electrical Specification

Spectral Responce: 320nm – 1050nm (visible light and near-infrared spectrum, peak at lred=640-750nm)
DC supply voltage: Typical +12V (Min=7V /Max=18V)
Supply current: 35 mA

Output Voltage: TTL Fault/Fired Alarm (Vo)= TTL High
Open-drain Fault/Fired Alarm (Vo) = 0.1¸0.35Volts (Imax=400mA,Vmax=60V)

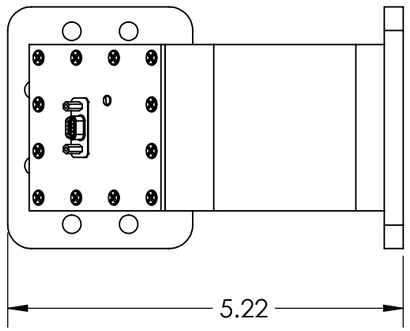
Response Time: less than 10 µsec.
Pressure Sealed to: 30 PSI

Operating Temperature Range: - 40 ~ + 85°C

Arc Detector's connector pinout (Micro-D Plug , Male, 9 Pins):

9 – DC supply Voltage: +12VDC at 35 mA.
1, 5, 6, 7, 8 – Ground
2 - Output Voltage: Option 1 -- The "Alarm" signal is TTL High
Option 2 -- Open-Drain"
3 - Latching Reset Capability: After being triggered by an arc, the output will remain in state "Alarm" until the Arc Detector is manually reset. This is accomplished by bringing TTL Low to this pin momentarily, then returned to TTL High.

4 - Self test: To test the optical detector and triggering/latching ability, the low voltage is to be applied to this pin



PROJECT	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.TOLERANCES ARE: DECIMALS .X ± .02, .XX ± .010, .XXX ± .003; ANGLES ± 0.5°; MACHINED SURFACES: 32 √	CAD GENERATED DRAWING DO NOT MANUALLY UPDATE OR SCALE	230 Bayview Drive Unit 16 Barrie, Ontario, L4N 4Y8, Canada Tel: (905) 669-8533 Fax (905) 669-8516
		APPROVALS / DATE	
NEXT ASSEMBLY	MATERIAL: ALUMINUM / BRASS	DRAWN BY	WR159 ARC DETECTOR
	FINISH: PAINT / IRIDITE	CHECKED BY	SIZE: B; DWG. #; REV.; PART #; DOC. TYPE
		APPROVED BY	SCALE: 3:2; SHEET 1 OF 1