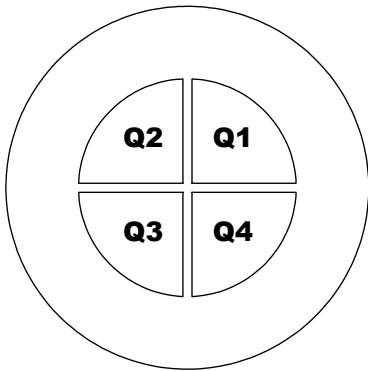


HIROSE CONNECTOR\*



PHOTODIODE DETAIL

PIN ASSIGNMENTS:

- PIN1: X-AXIS (Q2 + Q3) - (Q1 + Q4)
- PIN2: Y-AXIS (Q1 + Q2) - (Q3 + Q4)
- PIN3: SUM (Q1 + Q2 + Q3 + Q4)
- PIN4: +V (+5 - +15V)
- PIN5: COMMON
- PIN6: -V (-5 - -15V)

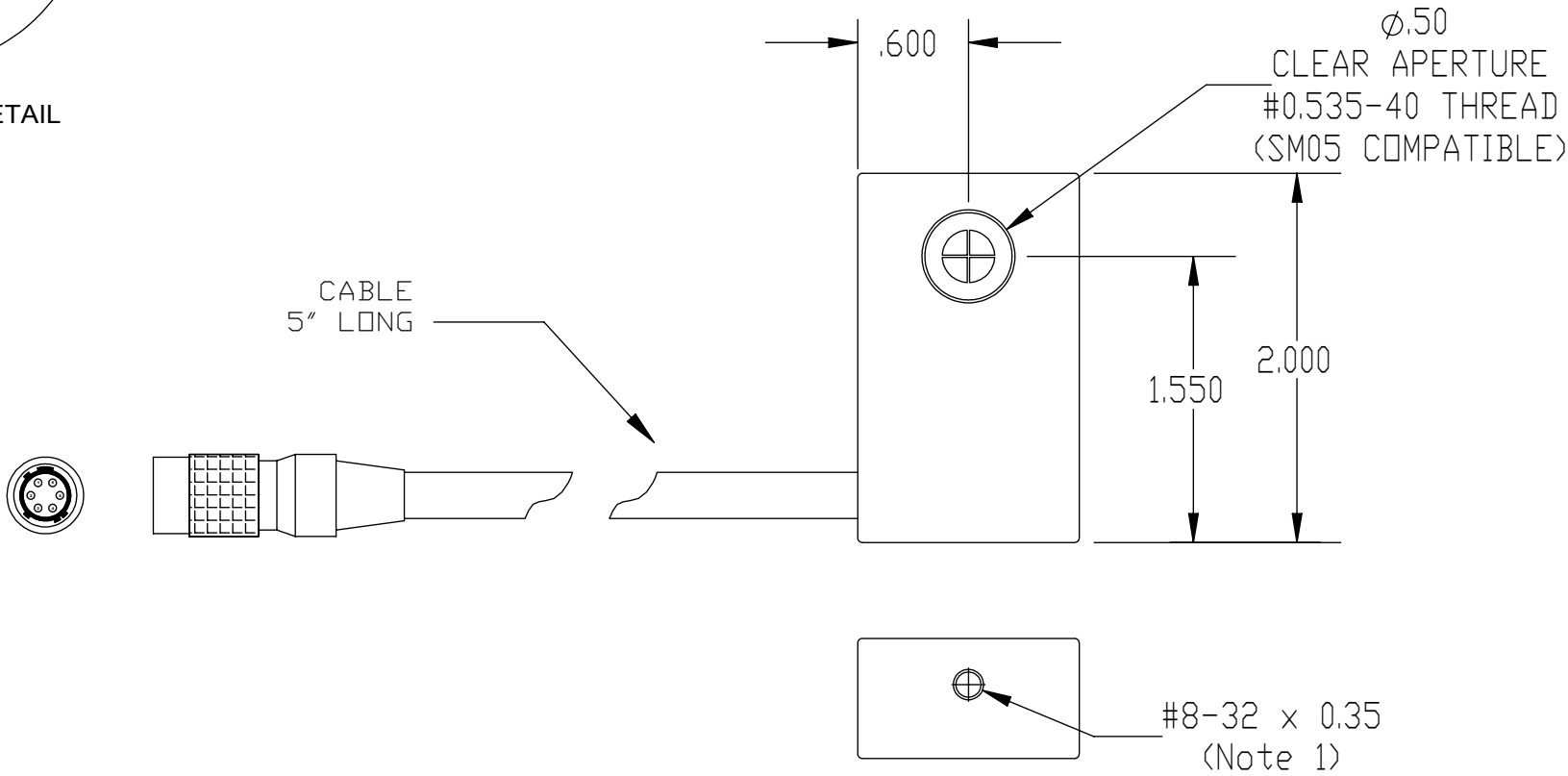
\*MATES WITH HIROSE P/N HR10A-7R-6S

Detector Specifications:

- Wavelength Range: 400 to 1050nm
- Bandwidth: 150kHz
- Operating Temperature: 10 - 40 Degrees C.

Notes:

- 1) #8-32 TO M4 MOUNTING ADAPTOR INCLUDED WITH EACH UNIT.



ALL DIMENSIONS ARE IN INCHES

ENGINEERING SUPPORT DRAWING

THORLABS INC					NEWTON NJ	
TITLE PDQ80A Quadrant Detector Assembly						
TOL: X.XXX=+/-0.005 X.XX=+/-0.010 ANGULAR +/-30'						
SURF. FINISH: 32 MICROINCHES UNLESS OTHERWISE NOTED						
DRAWN RDS		ENGINEER RDS		APPROVED RDS		
MATERIAL						
DATE 09/17/21		REV D	SIZE C	SHEET 1 OF 1	DRAWING SCALE 1" = 1"	
DWG NO. 13183-E01				PART NO. PDQ80A		

INFORMATION ONLY, NOT FOR MANUFACTURING