Photodiode Cage Plate Mount, TO-5 and TO-39

PDMT5



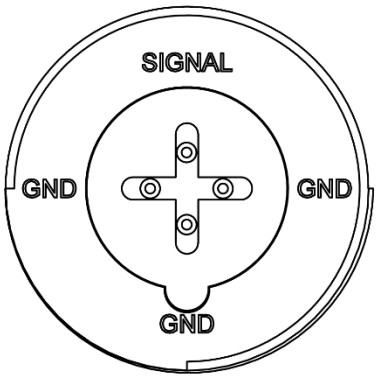
Description

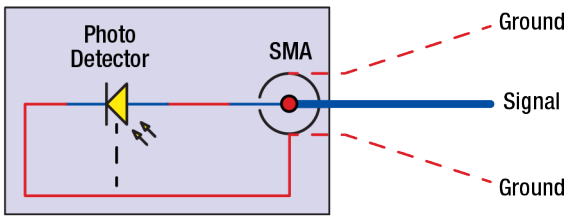
The PDMT5 photodiode cage plate mount provides a simple way to integrate TO-5 and TO-39 photodetectors into 30 mm cage systems, SM1 attachments or standard post assemblies. It combines a TO-5 and TO-39 photodiode socket with a cage-compatible plate for stable optical alignment. The pass-through sockets allow full-length leads without trimming. The design supports Thorlabs' unmounted, pigtailed, and calibrated photodiodes and offers a compact solution for positioning TO-5 and TO-39 devices along an optical axis. They are not recommended for use with bandwidths greater than 1 GHz.

Specifications

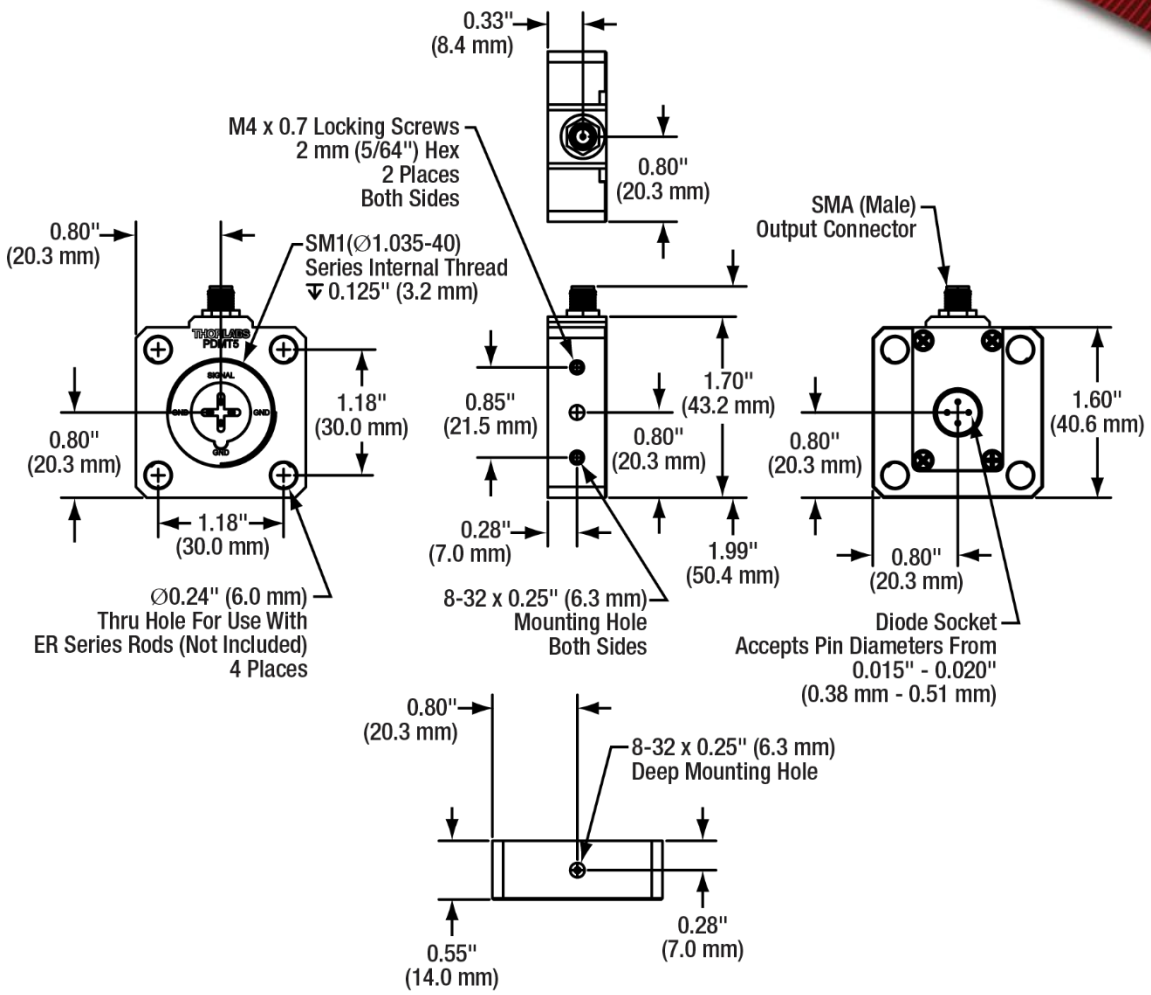
Specification	Value
Maximum Current[a]	2000 mA
Compatible Lead Diameters	0.38 mm - 0.51 mm
Minimum Pin Length	5 mm
Compatible Photodiode Packages	TO-5 and TO-39
Operating Temperature	-40 to 85 °C
Storage Temperature	-40 to 100 °C

Connection method





Drawings


0.33"
(8.4 mm)
M4 x 0.7 Locking Screws
2 mm (5/64") Hex
2 Places
Both Sides
0.80"
(20.3 mm)
SM1(Ø1.035-40)
Series Internal Thread
0.125" (3.2 mm)
0.80"
(20.3 mm)
1.18"
(30.0 mm)
0.80"
(20.3 mm)
1.18"
(30.0 mm)
Ø0.24" (6.0 mm)
Thru Hole For Use With
ER Series Rods (Not Included)
4 Places
0.85"
(21.5 mm)
1.70"
(43.2 mm)
0.80"
(20.3 mm)
0.28"
(7.0 mm)
1.99"
(50.4 mm)
8-32 x 0.25" (6.3 mm)
Mounting Hole
Both Sides
SMA (Male)
Output Connector
1.60"
(40.6 mm)
0.80"
(20.3 mm)
0.80"
(20.3 mm)
Diode Socket
Accepts Pin Diameters From
0.015" - 0.020"
(0.38 mm - 0.51 mm)
0.80"
(20.3 mm)
8-32 x 0.25" (6.3 mm)
Deep Mounting Hole
0.28"
(7.0 mm)
0.55"
(14.0 mm)