Photodiode Cage Plate Mount, TO-46 and TO-18

PDMT46

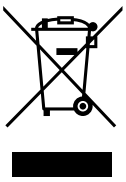


Description

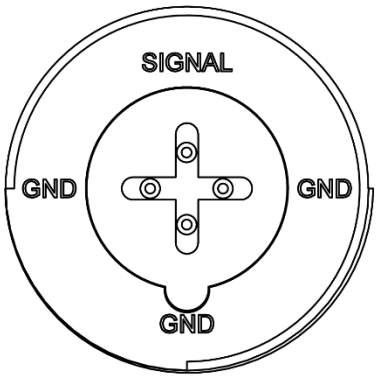
Thorlabs' PDMT46 Photodiode Cage Plate Mount provides a simple way to integrate TO-46 and TO-18 photodetectors into 30 mm cage systems, SM1 attachments or standard post assemblies. It combines a TO-46 and TO-18 photodiode socket with a cage-compatible plate for stable optical alignment. The pass-through sockets allow full-length leads without trimming. The design supports Thorlabs' unmounted, pigtailed, and calibrated photodiodes and offers a compact solution for positioning TO-46 and TO-18 devices along an optical axis. They are not recommended for use with bandwidths greater than 1 GHz.

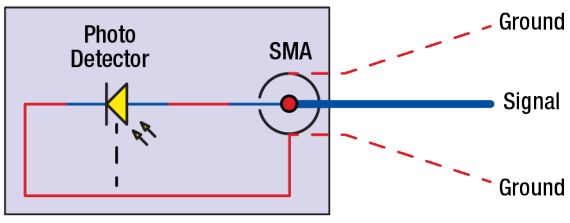
Specifications

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-46 and TO-18
Operating Temperature	-40 to 85 °C
Storage Temperature	-40 to 100 °C

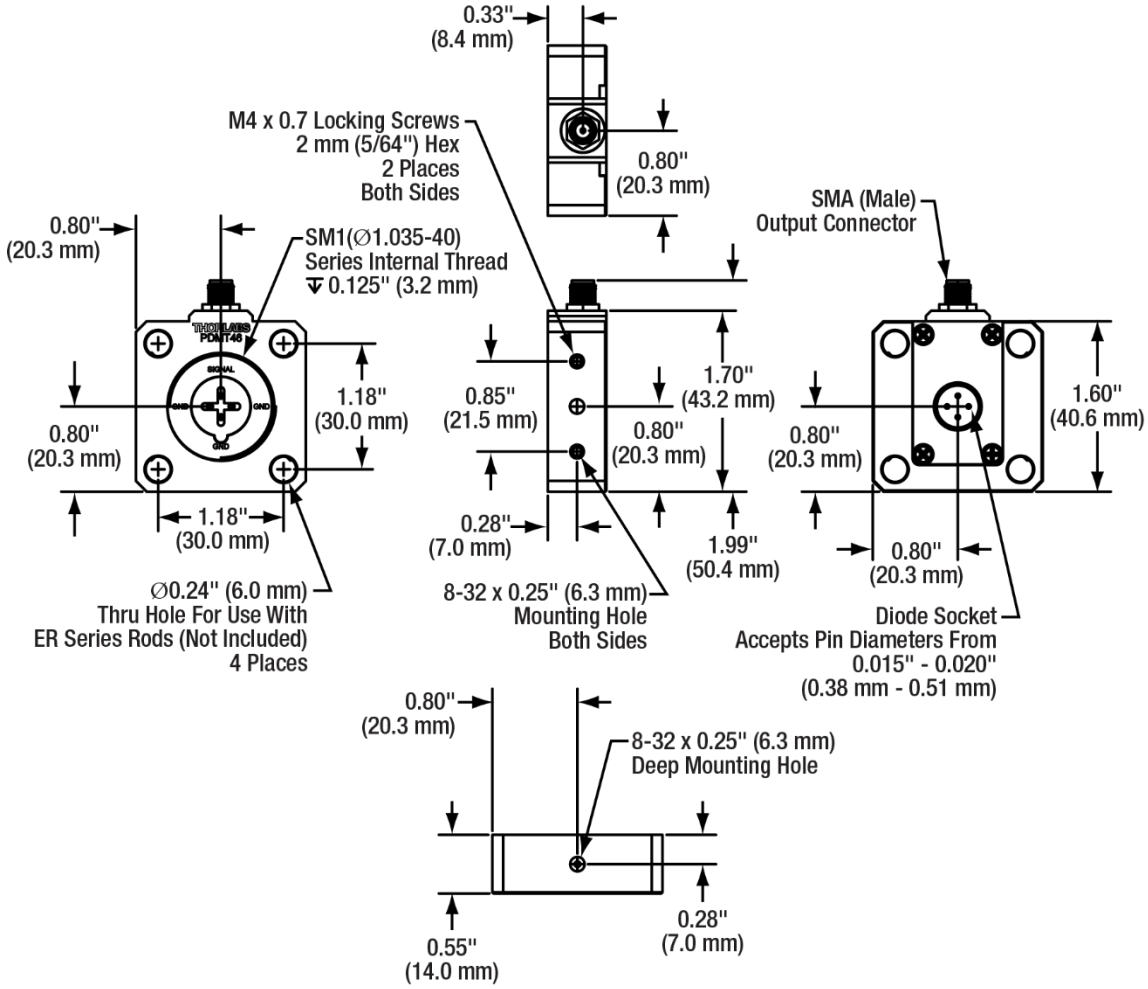


Connection method





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(∅1.035-40)
Series Internal Thread
↧ 0.125" (3.2 mm)
SMA (Male)
Output Connector
0.80"
(20.3 mm)
1.18"
(30.0 mm)
0.80"
(20.3 mm)
1.18"
(30.0 mm)
∅0.24" (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
0.80"
(20.3 mm)
1.60"
(40.6 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)