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

PDMT46/M



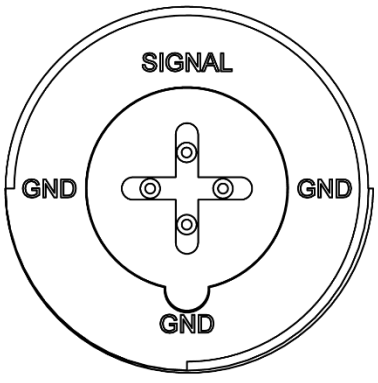
Description

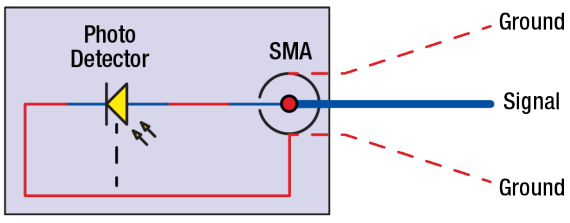
Thorlabs' PDMT46/M Photodiode Cage Plate Mount provides a simple way to integrate TO-46 and TO-18 photodetectors into 30 mm cage systems, SM1 attachments or standard post assemblies. It combines a TO-46 and TO-18 photodiode socket with a cage-compatible plate for stable optical alignment. The pass-through 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

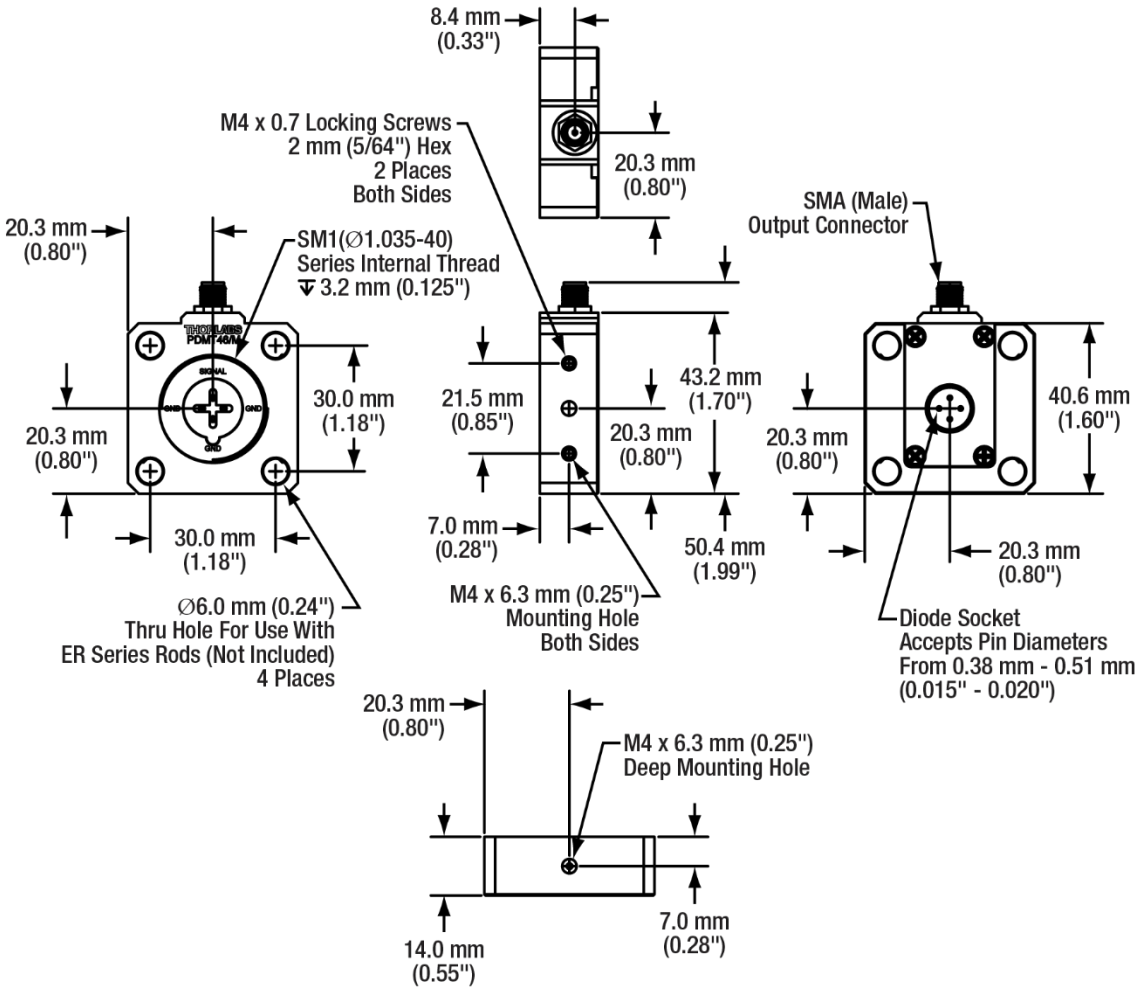
Specification	Value
Maximum Current[a]	2000 mA
Compatible Lead Diameters	0.38 mm - 0.51 mm
Minimum Pin Length	5 mm
Compatible Photodiode Packages	TO-46 and TO-18
Operating Temperature	-40 to 85 °C
Storage Temperature	-40 to 100 °C

Connection method





Drawings


8.4 mm
(0.33")
M4 x 0.7 Locking Screws
2 mm (5/64") Hex
2 Places
Both Sides
20.3 mm
(0.80")
SMA (Male)
Output Connector
20.3 mm
(0.80")
SM1(∅1.035-40)
Series Internal Thread
↧ 3.2 mm (0.125")
30.0 mm
(1.18")
21.5 mm
(0.85")
43.2 mm
(1.70")
20.3 mm
(0.80")
40.6 mm
(1.60")
20.3 mm
(0.80")
20.3 mm
(0.80")
7.0 mm
(0.28")
50.4 mm
(1.99")
30.0 mm
(1.18")
M4 x 6.3 mm (0.25")
Mounting Hole
Both Sides
20.3 mm
(0.80")
∅6.0 mm (0.24")
Thru Hole For Use With
ER Series Rods (Not Included)
4 Places
Diode Socket
Accepts Pin Diameters
From 0.38 mm - 0.51 mm
(0.015" - 0.020")
20.3 mm
(0.80")
M4 x 6.3 mm (0.25")
Deep Mounting Hole
7.0 mm
(0.28")
14.0 mm
(0.55")