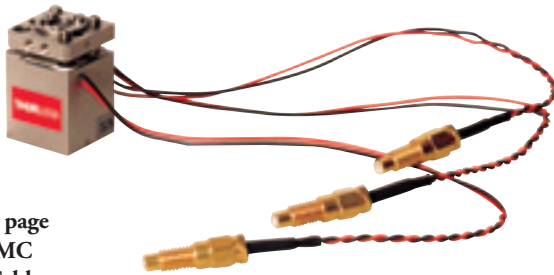




NanoFlex™ Piezo Mirror Mount



Please see page
740 for SMC
& BNC Cables

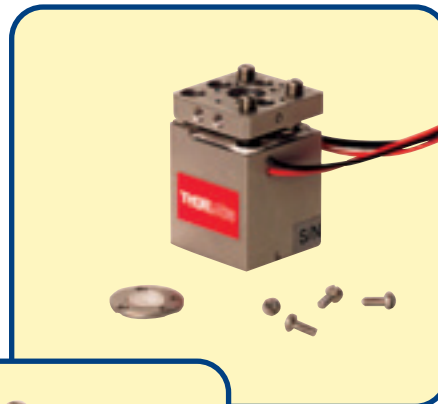
- $\pm 2^\circ$ Manual Adjustment via 100TPI Fine Adjustment Screws
- 1 arcmin. Adjustment at < 1 arcsec. Resolution via Piezo Actuators
- $3.5\mu\text{m}$ Piezo Translation for NFM1P3 and $7\mu\text{m}$ Piezo Translation for NFM1P7
- Designed for Intra-Cavity Use
- Directly Compatible with our MDT693A Piezo Controller

The NanoFlex™ miniature piezo-controlled mirror mounts have been specially designed to mount laser cavity optics such as mirrors, diffraction gratings, and output couplers. These mounts are particularly suitable for use in external-cavity diode lasers with optical feedback.

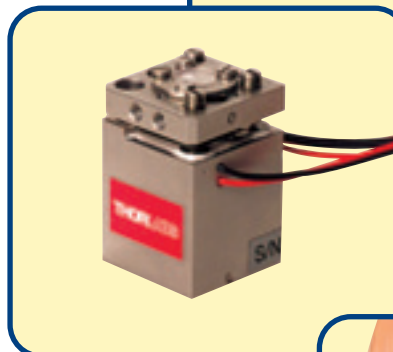
The NFM1P3 mount measures only 18mm x 18mm x 20mm while the NFM1P7 measures 18mm x 18mm x 27mm. Both mounts provide $\pm 2^\circ$ of manual adjustment with precision 100 TPI fine adjustment screws. The NFM1P3 provides 1 arcmin. of piezo-driven pitch/yaw angular adjustment while the NFM1P7 provides 2 arcminutes of piezo-driven pitch/yaw angular adjustment, both with resolution better than 1 arcsec. The piezo actuators can additionally be used for translation, $3.5\mu\text{m}$ in the NFM1P3 and $7\mu\text{m}$ in the NFM1P7.

Performance Specifications

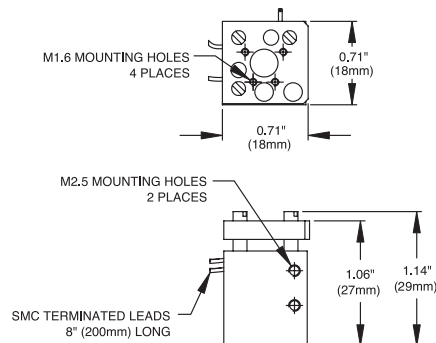
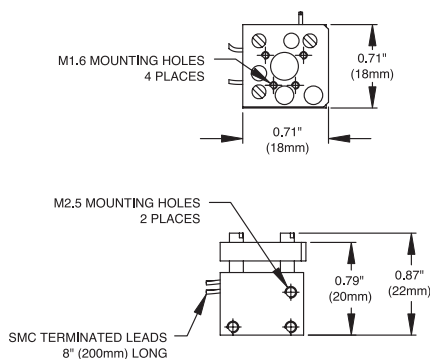
	NFM1P3	NFM1P7
Manual Pitch/Yaw Adjustment	$\pm 2^\circ$	$\pm 2^\circ$
Piezo Pitch/Yaw Adjustment	1 arcmin.	2 arcmin.
Piezo Angular Resolution	1 arcsec.	1 arcsec.
Piezo Translation	$3.5\mu\text{m}$	$7\mu\text{m}$



Mounting your optic is easy. Clamping ring securely holds optic $\varnothing 7\text{mm}$ x 2.5mm thick.



The PF03-03-P01 is a silver mirror especially designed for this piezo mirror mount. See page 627.



ITEM#	\$	£	€	¥	DESCRIPTION
NFM1P3*	\$ 859.74	£ 505.73	€ 758,60	¥ 141,604	$3.5\mu\text{m}$ piezo translation
NFM1P7*	\$ 1,183.68	£ 696.28	€ 1,044,42	¥ 194,958	$7\mu\text{m}$ piezo translation

Metric version only.