

TPX Optics for THz beam guiding

- **Highly transmissive TPX optics for THz applications**
 - ▶ **Material:** TPX (Polymethylpentene)
 - ▶ **Refractive index:** 1.45 (@ 1 THz)
- **Mounting options**
 - ▶ **Unmounted**
 - ▶ **Mounted in 1/2" lens tube with internal and external thread**
 - ▶ **Mounted in 1" lens tube with internal and external thread**
- **Listed optics are available from stock**
- **Other dimensions on request**

1" TPX Lenses



Lens	Form	Focal length	Aperture Angle	NA
TPX-D25.4-f10	Asphere	10 mm	39.9°	0.64
TPX-D25.4-f15		15 mm	34.1°	0.56
TPX-D25.4-f25		25 mm	22.5°	0.38
TPX-D25.4-f32.5		32.5 mm	17.6°	0.30
TPX-D25.4-f50		50 mm	11.9°	0.21
TPX-D25.4-f67		67 mm	9.0°	0.16
TPX-D25.4-f75	Sphere	72 mm	8.2°	0.14
TPX-D25.4-f85		82 mm	7.3°	0.13
TPX-D25.4-f100		95 mm	6.2°	0.11
TPX-D25.4-f150		150 mm	4.2°	0.07
TPX-D25.4-f-50	Asphere	- 50 mm	13.1°	0.23



2" TPX Lenses



Lens	Form	Focal length	Aperture Angle	NA
TPX-D50-f35	Asphere	35 mm	32.5°	0.53
TPX-D50-f65		65 mm	19.2°	0.33
TPX-D50-f85		85 mm	15.1°	0.26
TPX-D50-f100		100 mm	12.9°	0.22
TPX-D50-f200	Sphere	190 mm	6.6°	0.12
TPX-D50-f250		240 mm	5.3°	0.10
TPX-D50-f-75	Asphere	- 75 mm	19.2°	0.33

TPX Windows



Window	Diameter	Thickness
WT-D25.4-T2	25.4 mm	2.0 mm
WT-D25.4-T3.5	25.4 mm	3.5 mm
WT-D50-T3.5	50.0 mm	3.5 mm