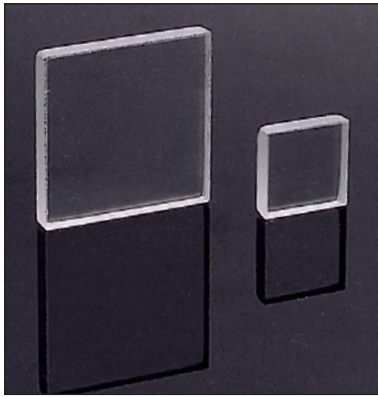


UV Transmission Gratings



These UV Transmission Gratings are manufactured from carefully selected UV materials, thus providing optimal performance down to 235 nm. Zero-order data is included in all performance curves for those interested in beamsplitting applications.

By necessity, transmission gratings require relatively coarse groove spacings to maintain high efficiency. As the diffraction angles increase with the finer groove spacings, the refractive properties of the materials used limit the transmission at the higher wavelengths, which leads to a degradation in performance. The grating dispersion characteristics, however, lend themselves to compact systems utilizing small detector arrays. The gratings are also relatively polarization insensitive.

Specifications

- **Substrate Material:** UV-Grade Fused Silica
- **Thickness:** 2 mm Nominal
- **Dimensional Tolerances:** ±0.5 mm
- **Thickness Tolerances:** ±0.2 mm
- **Surface Quality:** 60-40 Scratch-Dig

ITEM#	GROOVES (lines/mm)	GROOVE ANGLE	SIZE	\$	£	€	RMB	DESCRIPTION
GTU13-03	300	8.6°	12.7 x 12.7 mm	\$ 79.60	£ 55.20	€ 70.70	¥ 672.20	UV Transmission Grating
GTU13-06	600	22°	12.7 x 12.7 mm	\$ 79.60	£ 55.20	€ 70.70	¥ 672.20	UV Transmission Grating
GTU13-08	800	19.4°	12.7 x 12.7 mm	\$ 79.60	£ 55.20	€ 70.70	¥ 672.20	UV Transmission Grating
GTU13-12	1200	36.9°	12.7 x 12.7 mm	\$ 79.60	£ 55.20	€ 70.70	¥ 672.20	UV Transmission Grating

ITEM#	GROOVES (lines/mm)	GROOVE ANGLE	SIZE	\$	£	€	RMB	DESCRIPTION
GTU25-03	300	8.6°	25 x 25 mm	\$ 114.30	£ 79.30	€ 101.50	¥ 965.20	UV Transmission Grating
GTU25-06	600	22°	25 x 25 mm	\$ 114.30	£ 79.30	€ 101.50	¥ 965.20	UV Transmission Grating

ITEM#	GROOVES (lines/mm)	GROOVE ANGLE	SIZE	\$	£	€	RMB	DESCRIPTION
GTU50-03	300	8.6°	50 x 50 mm	\$ 227.50	£ 157.80	€ 202.00	¥ 1,921.10	UV Transmission Grating
GTU50-06	600	22°	50 x 50 mm	\$ 227.50	£ 157.80	€ 202.00	¥ 1,921.10	UV Transmission Grating
GTU50-08	800	19.4°	50 x 50 mm	\$ 227.50	£ 157.80	€ 202.00	¥ 1,921.10	UV Transmission Grating
GTU50-12	1200	36.9°	50 x 50 mm	\$ 227.50	£ 157.80	€ 202.00	¥ 1,921.10	UV Transmission Grating

UV Transmission Gratings Performance Curves

