

Brewster Cut HEM Ti:Sapphire For Amplifiers and Ultrafast Lasers

Properties:

Grade	Highly Uniform crystalline HEM Grown Ti: Sapphire crystals
Polish Type	Laser Polish (10-5 or better Brewster's angle Ends)
Sapphire Purity	
Orientation	90°
Flatness	L/10 flatness @632nm
Outside Diameter Surface	Fine Ground
TWE	L/4 P-V @632nm to minimize spatial variation and maximize beam quality

Pricing:

Diameter	PL (mm)	Alpha @532nm	LPSP @532nm	FOM	Qty 1 and Up
3.0mm x 3.0mm	4.8	~3.50cm ⁻¹	~81%	> 200	\$1,490
3.0mm x 3.0mm	2.9	~7.00cm ⁻¹	~87%	> 100	\$1,580
1.5mm x 3.0mm	5	~5.00cm ⁻¹	~92%	> 150	\$1,540
4.0mm x 6.0mm	4	~5.50cm ⁻¹	~89%	> 150	\$1,580
2.0mm x 4.0mm	23	~1.05cm ⁻¹	~91%	> 400	\$1,590
4.0mm x 4.0mm	20	~1.40cm ⁻¹	~94%	> 375	\$1,800
5.0mm ϕ	5	~5.00cm ⁻¹	~92%	> 150	\$1,630
5.0mm ϕ	20	~1.40cm ⁻¹	~94%	> 375	\$1,940
6.2mm ϕ	20	~1.30cm ⁻¹	~93%	> 400	\$2,150
6.3mm ϕ	25.4	~1.00cm ⁻¹	~92%	> 400	\$2,200

Plano/Plano - Ends Coated HEM® Ti:Sapphire Amplifier

Properties:

Grade	HEM grown with highly uniform crystalline structure
Polish Type	Low Damage Super Polished faces, (Ra < 2 Å RMS)
Orientation	90°
Orientation	(1120) A-axis, ± 1°
Diameter Tolerance	± 0.1 mm
Flatness	L/10 flatness @632nm
Outside Diameter Surface	Fine Ground
TWE	L/4 P-V @632nm to minimize spatial variation and maximize beam quality
Coating	High Damage Threshold AR Coating
AR Coating Reflection	Click Here
Laser Damage Threshold Testing	Click Here

Pricing:

Diameter	PL (mm)	LPSP @532nm	QTY 1 and up
6mm ø	15	~92%	\$2,900.00
8mm ø	15	~92%	\$3,100.00
10mm ø	15	~92%	\$3,500.00
15mm ø	15	~92%	\$5,900.00
16mm ø	20	~92%	\$7,500.00
16mm x 16mm	20	~92%	\$15,600.00
20mm ø	20	~92%	\$13,200
25mm ø	20	~92%	\$16,800
30mm ø	20	~92%	\$25,800
40mm ø	25	~92%	Call for price