

LAMP PUMPED LASER HEADS

High performance and reliability



Part No: CHBA4116

LASER SYSTEMS: Quantronix 116, 604, 416; Teradyne W419, W421, W429, W614, M118; Laser Identification System WaferMark II, 345, Softmark, LightWriter

DESCRIPTION: High Stability Single-Lamp Pumped Solid-State Laser Chamber used for precision marking, engraving and trimming applications in the semiconductor & microelectronics Industry.

ASSEMBLIES:

REFERENCE	PART NUMBER	DESCRIPTION
1	ORK4116	O-Ring Kit for 4 mm Rod
2	GCA116	Gold Cavity Assembly, Complete
3	BA116	Head Block Assembly (Less Cavity, YAG Rod, Lamp & Carriage)
4	HBA116	Head Block Assembly (Less YAG Rod, Lamp & Carriage)
5	CHBA4116	Complete Head Block Assembly (Includes a 4 mm Rod)
6	YRA1164	YAG Rod Assy, Low Noise, 4 x 79 mm, TEM ₀₀

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LASER HEAD COMPONENTS:

REFERENCE	PART NUMBER	DESCRIPTION
1	CHI16T	Cavity Reflector Holder, Top
2	CHI16B	Cavity Reflector Holder, Bottom
3	GCEI16	Gold Cavity Reflector
4	CMI14	Coolant Manifold Required for Water Fittings
5	CEPI14	Cavity End Plate
6	WIB116	Water Inlet Block
7	LSI16	Light Shield Sleeve
8	ORK4116	O-Ring, Silicone (Included in Kit)
9	LHB116	Lower Head Block
11	CPP114	Crystal Pressure Plate, Front
12	LPP114	Lamp Pressure Plate, Front
14	LEPI14	Lamp End Plate
16	UHB116	Upper Head Block
17	WF033	Water Fitting for Coolant Manifold CMI14
20	YR512A	YAG Rod, 4 mm, Unmounted, TEM ₀₀
22	YRA1164	YAG Rod Assembly Complete, 4 mm × 79 mm, TEM ₀₀
23	RFT116ENH	Rod Flow Tube
25	YRH1164ENH	YAG Rod Holder, 4 mm Rod
27	PRI16	Pressure Ring
28	RRI16	Retaining Ring
29	CNI16	Crystal Nut
31	ORK4116	O-Ring, Silicone 4 mm
33	PT1164ENH	Pressure Tube, 4 mm
34	LFT116	Lamp Flow Tube
35	LFT116CE	Lamp Flow Tube, Cerium Doped
36	LLI16LL	Laser Lamp, 400 Hrs
37	LLI16LLS	Laser Lamp, 600 Hrs
38	PWI49	Pressure Washer
39	CSA116	Cathode Socket Assembly
40	ASA116	Anode Socket Assembly
41	ORN804	O-Ring, Nirtile (10 PCES/PKT)
42	THR150	Threaded Retainer
43	YR416	YAG Rod, 4 mm Wedge, Unmounted, TEM ₀₀
44	YRA416	YAG Rod Assembly Complete, 4 mm × 79 mm, Wedge, TEM ₀₀

FREQUENTLY USED CONSUMABLES:

REFERENCE	ITEM	PART NUMBER
1	LFT116	Lamp Flow Tube, Pyrex
2	ASA116	Anode Socket Assembly
3	CSA116	Cathode Socket Assembly
4	LLI16LLS	Laser Lamp, 600 Hrs
5	D8822	DI Cartridge
6	PF30	Particle Filter

Other consumables upon request. Brought forward.

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