

LAMP PUMPED LASER HEADS

High performance and reliability



Part No: CHBA3114, CHBA4114

LASER SYSTEMS: Quantronix 114, 602, 603; Teradyne M118; Laser Identification Systems WaferMark I; Fox Labs

DESCRIPTION: High Stability Single-Lamp Pumped Solid-State Laser Chamber used for precision marking & engraving in the Microelectronics & Semiconductor applications.

ASSEMBLIES:

REFERENCE	PART NUMBER	DESCRIPTION
1	ORK3114	O-Ring Kit for 3 mm YAG Rod
2	GCA114	Gold Cavity Assembly, Complete
3	BA114	Head Block Assembly (Less Cavity Reflector, YAG Rod & Lamp Assemblies)
4	HBA114	Head Block Assembly (Less YAG Rod & Lamp Assemblies)
5	CHBA4114	Complete Head Block Assembly (Includes 4 mm Rod)
6	ORK4114	O-Ring Kit for 4 mm YAG Rod
7	CHBA3114	Complete Head Block Assembly (Includes 3 mm Rod)
8	RFTA3114	YAG Rod Assembly complete, Less 3 mm Rod
9	RFTA4114	YAG Rod Assembly complete, Less 4 mm Rod

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LASER HEAD COMPONENTS:

REFERENCE	PART NUMBER	DESCRIPTION
1	CHI14T	Cavity Reflector Holder, Top
2	CHI14B	Cavity Reflector Holder, Bottom
3	GCE114	Gold Cavity Reflector
4	CMI14	Coolant Manifold Required for Water Fittings
5	CEP114	Cavity End Plate
6	WIB114	Water Inlet Block
7	LSI14	Light Shield Sleeve
8	ORK3114	O-Ring, Silicone (Included in Kit)
9	LHB116	Lower Head Block
11	CPP114	Crystal Pressure Plate, Front
12	LPP114	Lamp Pressure Plate, Front
14	LEP114	Lamp End Plate
16	UHB116	Upper Head Block
17	WF033	Water Fitting for Coolant Manifold CMI14
19	YR369CC	YAG Rod, 3 mm, Unmounted, TEM ₀₀ , Radius Ends
19a	YR469	YAG Rod, 4 mm, Unmounted
21	YRA1143	YAG Rod Assembly, Complete, 3 mm Rod, TEM ₀₀
21a	YRA1144	YAG Rod Assembly, Complete, 4 mm Rod
23	RFT114	Rod Flow Tube
24	YRH1143	YAG Rod Holder, 3 mm
24a	YRH1144	YAG Rod Holder, 4 mm
27	PR114	Pressure Ring
28	RR114	Retaining Ring
29	CNI14	Crystal Nut
30	ORK3114	O-Ring Silicone, 3 mm
32	PT1143	Pressure Tube, 3 mm Rod
32a	PT1144	Pressure Tube, 4 mm Rod
34	LFT116	Lamp Flow Tube
35	LFT116CE	Lamp Flow Tube, Cerium Doped Quartz
36	LL114LLS	Laser Lamp, 600Hrs
38	PWI49	Pressure Washer
39	CSA114	Cathode Socket Assembly
40	ASA116	Anode Socket Assembly
41	ORN804	O-Ring, Nitrile (10 PCES/PKT)
42	THR150	Threaded Retainer

FREQUENTLY USED CONSUMABLES:

REFERENCE	ITEM	PART NUMBER
1	LFT116	Lamp Flow Tube, Pyrex
2	LFT116CE	Lamp Flow Tube, Ce doped quartz
3	CSA114	Cathode Socket Assembly
4	ASA116	Anode Socket Assembly
5	LL114	Laser Lamp
6	D8811	DI Cartridge
7	PF30	Particle Filter

Other consumables upon request.

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