

LAMP PUMPED LASER HEADS

High performance and reliability



Part No: CHBA333/C, CHBA334/C

LASER SYSTEMS: LASER S.O.S. Compact Series, 50–60 Watts, 1 I W TEM₀₀ @ 1 kHz

DESCRIPTION: Single-Lamp Pumped Solid-State Laser Chamber used for precision marking, engraving & laser trimming applications.

ASSEMBLIES:

REFERENCE	PART NUMBER	DESCRIPTION
1	ORK323	O-Ring Kit 3 mm Rod
2	ORK324	O-Ring Kit 4 mm Rod
3	GC300	Gold Cavity Assembly, Complete
4	BA300	Head Block Assembly (Less Cavity, YAG Rod, Lamp & Carriage)
5	HBA300	Head Block Assembly (Less YAG Rod, Lamp & Carriage)
6	CHBA333	Complete Head Block Assembly (Less Carriage), 3 mm Rod, Average Power = 50 W
7	CHBA333/C	Complete Head Block Assembly 3mm Rod, Average Power = 50W
8	CHBA334	Complete Head Block Assembly (Less Carriage), 4 mm Rod, Average Power = 60 W
9	CHBA334/C	Complete Head Block Assembly, 4 mm Rod, Average Power = 60 W

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LASER HEAD COMPONENTS:

REFERENCE	PART NUMBER	DESCRIPTION
1	HB300	Head Bolt, Stainless Steel
2	FIN300	Head Sink, Aluminium
3	UHB300	Upper Head Block
4	CEP300	Cavity End Plate
5	GCE300	Cavity Ellipse, Gold Plated
6	FT330	Flow Tube, Rod
7	FT330	Flow Tube, Lamp
8	LL873	Laser Lamp, 30A
9	YRH333	YAG Rod Holder, 3 mm Rod
10	YRH334	YAG Rod Holder, 4 mm Rod
11	LC708	Lamp Contact Band, Gold Plated
12	LCB300	Lamp Contact Block
13	LTB300	Lamp Terminal Block
14a	YRA333	YAG Rod Assembly, 3 × 108 mm Rod, Multi Mode
14b	YRA334	YAG Rod Assembly, 4 × 108 mm Rod, Multi Mode
15	ORT3MM	O-Ring, Teflon, 3 mm Rod
16	ORT468	O-Ring, Teflon, 4 mm Rod
17	REC300	Rod End Cap
18	RG300	Rod Guide
19	DB300	Dust Boot
20	SEE KIT	O-Ring, Silicone (Included in Kit)
21	SEE KIT	O-Ring, Silicone (Included in Kit)
22	LHB300	Lower Head Block
23	LHC300	Lower Head Carriage
24	HVP570	High Voltage Pin
25	WF012	Water Fittings 3/4" – 16 × 1/2"
26	WF021	Elbow Water Fitting, 1/2" for Q-Switch
27	HOSETAIL 1/2	Hosetail 1/2" Barbed
28	CLA500	Carriage Locking Assembly
29	HVC800	High Voltage Cap
30	YR258	YAG Rod, 3 × 79 mm, TEM ₀₀ , Unmounted
31a	YR479	YAG Rod, 4 × 79 mm, Multi Mode, Unmounted
31b	YR512	YAG Rod, 4 × 79 mm, TEM ₀₀ , Unmounted

FREQUENTLY USED CONSUMABLES:

REFERENCE	ITEM	PART NUMBER
1	Lamp, 30Amp	LL873
2	Lamp & Rod Flow Tube	FT330
3	O-Ring Kit	ORK333
4	O-Ring Kit	ORK334
5	DI Cartridge	D150
6	Particle Filter	PF75
7	Front Mirror 80% R	MR3M80RHC
8	Rear Mirror HR	MR3M100RHC

Other consumables upon request.

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