Fiber Laser (MQFL-05) Specifications 20111230

Max-Quality Electric Co; LTD have developed a novel fiber laser system MQFL-05 which is designed for application in resistor trimming. According to the common used trimming equipment, this laser trimming system integrated all the required optics, signal control, and setup mechanics. The original diamond blade trimming system can be quickly replaced with the laser trimming system. And the laser on/off signal can directly used original control signal.

After long term production testing and modification, MQFL-05 was demonstrated to be able to continually and stably produce precision resistors with resistance error within 0.1%. Except cleaning or replacing the protected window every month, maintain for the laser system is much easy than the original blade trimming system. Additional advantages such as low power consumption, low dust and noise level is also demonstrated to be better for our environment.

Optics Specifications

	min	typical	max	unit
wavelength	1050	1064	1070	nm
Average laser power	4	5	6	Watt
Pulse repetition rate	10	20	30	KHz
Pulse width	50	100	150	ns
Rising time		100	200	us
Falling time		100	200	us
Power stability			±5	%/hr
Focus spot size	0.03	0.05	0.1	mm
Working distance	65	70	75	mm
Aiming laser power	0	0.5	1	mW

Other specification

	Minimum	Typical	Maximum	Unit
Voltage	90		240	VAC
Electric power	50	100	150	Watt
Working temperature	0		+42	℃
Storage temperature	-10		+60	℃
Warm up time		2	10	min
weight			20	Kg
Fiber length	1	1.5		m


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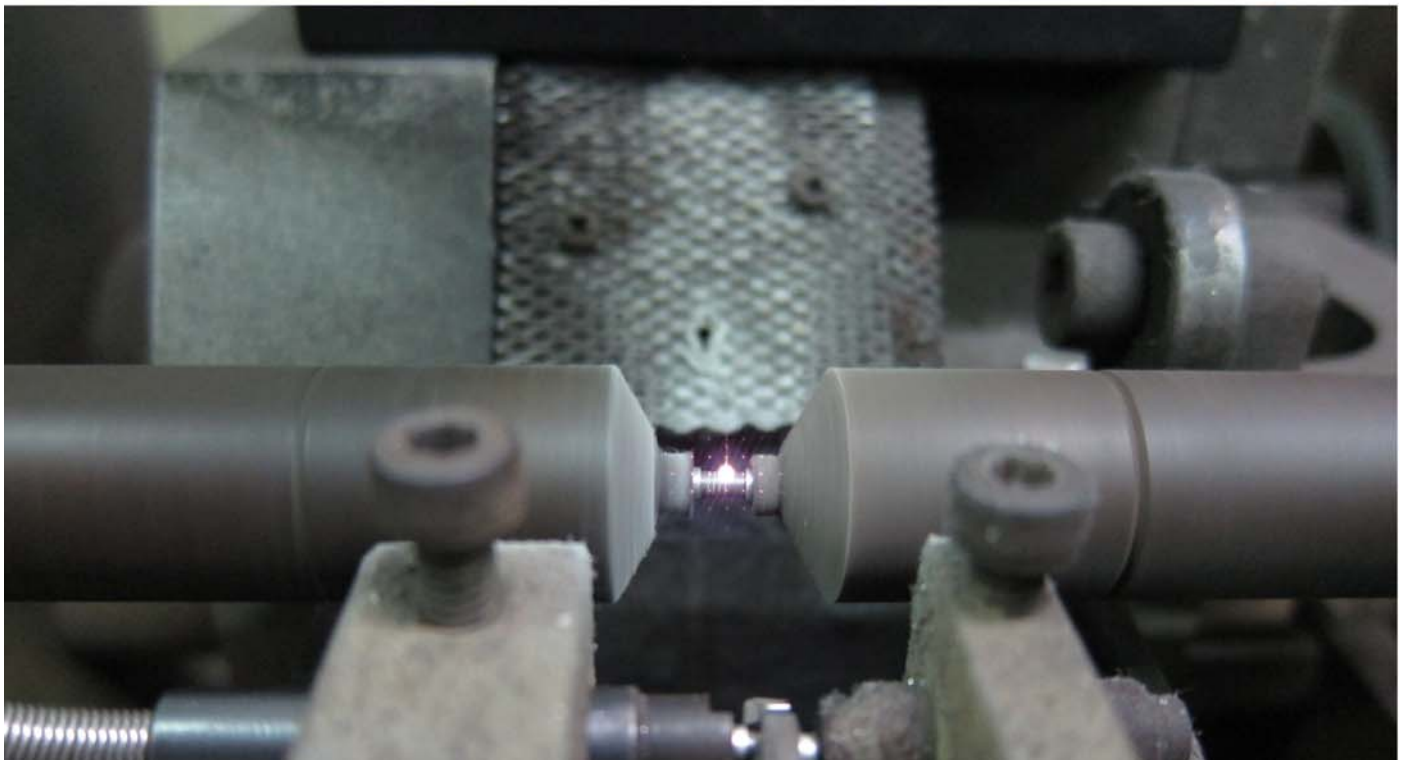

Instruction:

Laser upper width 50um

Lower width 30um

Cutting depth 10um

Film thickness around 2um