



TKLM-DT DATA SHEET

COMPACT OEM LASER DRIVER WITH TEMPERATURE CONTROL



The TKLM-DT driver is a compact current controller designed for stable and reliable operation of laser diode systems. Developed for compatibility with Flash Photonics TLKM-HT laser heads. The driver also includes a TEC temperature controller to maintain laser beam stability. The driver can be controlled via knobs, and switches, an analog interface or through a USB port.

Features:

- Turn-key operation
- Precision constant-current laser diode control
- TEC temperature controller integration
- Analog and digital modulation support
- Soft start functionality
- Reverse polarity and transient protection
- Compact OEM form factor
- Remote interlock integration
- LED indicators

Input Voltage	12 – 25 VDC
Laser Current	Up to 16 A
TEC current	Up to ± 15 A
Modulation Inputs	Analog / TTL
Temperature Setpoint Range	10 – 100 °C

