

# Compact Solid-State Green Laser

## 532 nm, 5 to 20 mW

**58 GCB Series**



*The 58 GCB-series green diode-pumped solid-state lasers deliver diffraction-limited, TEM<sub>00</sub> output from a compact, self-contained package that includes drive electronics and thermoelectric cooling. Automatic power control (APC) provides excellent power stability over a broad operating temperature range, and the highly efficient electronics require only 10 W at 5-Vdc input. These lasers are ideal for spectroscopy, laser-induced fluorescence, medical diagnostics, alignment, and a wide variety of testing applications. Systems are available in research and ultracompact OEM configurations with a variety of standard and custom beam delivery systems.*

### **Features**

- ▶ Up to 20 mW at 532 nm
- ▶ Automatic power control
- ▶ <2% peak-to-peak noise (20 Hz to 100 kHz)  
<0.5% rms noise (20 Hz to 100 kHz)
- ▶ Stable output from 10°C to 40°C
- ▶ All solid-state for reliability
- ▶ Excellent beam quality ( $M^2 < 1.2$ )
- ▶ <10 W power input at 5 Vdc
- ▶ Interface for remote monitoring and operation
- ▶ Integrated laser controller
- ▶ OEM and “drop-in” formats available

**MELLES GRIO**

