

## VL-670GI OUTLINE

### <Specifications>

LD	: Vertical surface emitting laser
Emission wavelength	: $670\pm 20$ [nm]
Non-modulated light output	: 0.2 [mW] or more at the end surface of the optical fiber (when using of 50/125GI fiber)
Optical output connector	: Type FC Receptacle (JIS F01 type), SC or ST is optional.
Modulation input connector	: BNC plug, SMA-J or SMA-P is optional.
Input Impedance	: 50[ $\Omega$ ]
Modulation sensitivity	: 0.25[mW/V] or more
Modulation frequency bandwidth	: 100[kHz] to 2500[MHz]
Frequency characteristic	: within $\pm 2$ [dBe] in a range of 100[kHz] to 2500[MHz] (at reference of 300[kHz])
Rated power supply voltage	: 15[V] $\pm 5$ [%] Single power supply
Current consumption	: 100[mA] Max
Operating temperature range	: 5[ $^{\circ}$ C] to 35[ $^{\circ}$ C]
Storage temperature range	: -20[ $^{\circ}$ C] to 50[ $^{\circ}$ C]
External dimensions	: 60[mm] x 41.5[mm] x 21[mm] excluding protruding parts, such as connectors, etc. 93[mm] x 44[mm] x 21[mm] when the optical connector cap is attached.
Weight	: 110[g]

### <Note>

1. In case that modulated signal is not input, optical output from VL-670GI is CW of 0.2mW or more at the end surface of 50/125 GI fiber.  
VL-670GI can be used as a CW source in such a case.

