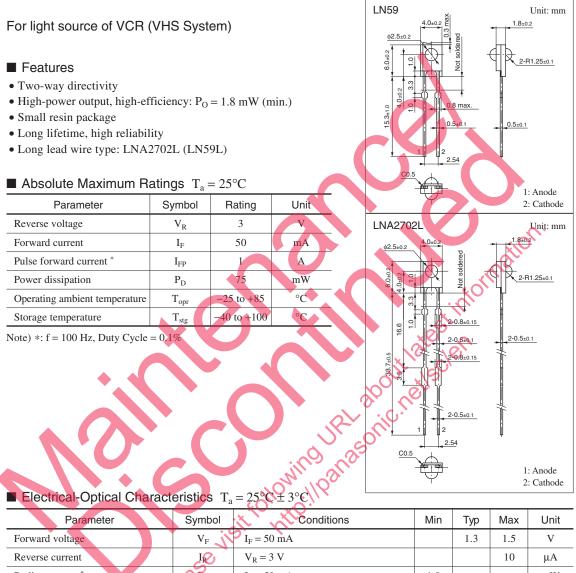
LN59, LNA2702L (LN59L)

GaAs Infrared Light Emitting Diodes



| Parameter | Symbol | Conditions | Min | Тур | Max | Unit |
|--------------------------|----------------|-----------------------------|-----|-----|-----|------|
| Forward voltage | V _F | $I_{\rm F} = 50 \text{ mA}$ | | 1.3 | 1.5 | V |
| Reverse current | IN | $V_R = 3 V$ | | | 10 | μΑ |
| Radiant power * | Po | $I_F = 50 \text{ mA}$ | 1.8 | | | mW |
| Peak emission wavelength | λ _P | $I_F = 20 \text{ mA}$ | | 940 | | nm |
| Spectral half band width | Δλ | $I_F = 20 \text{ mA}$ | | 50 | | nm |
| Terminal capacitance | Ct | $V_R = 0 V, f = 1 MHz$ | | 35 | | pF |

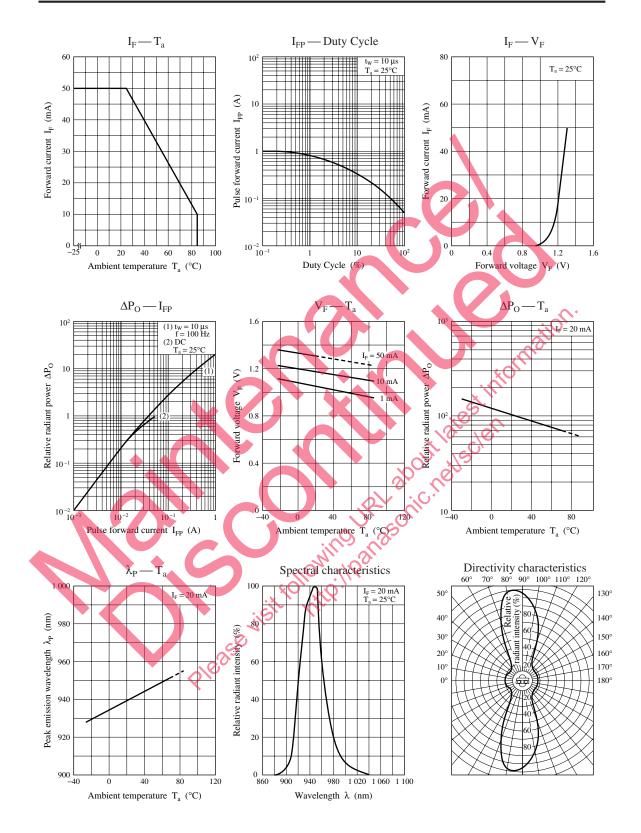
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

2. Cutoff frequency: 1 MHz
$$f_C: 10 \times \log \frac{P_O \text{ at } f = f_C}{P_O \text{ at } f = 50 \text{ kHz}}$$

$$-=-3$$
 P1 \leftarrow P2

3. *: Radiant power P_0 shows each value of radiant flux P1 and P2 in two directions.

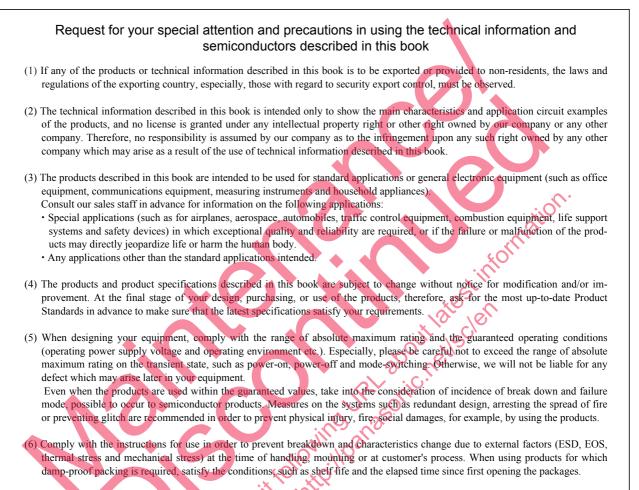
Note) The part numbers in the parenthesis show conventional part number.



▲Caution for Safety

This product contains Gallium Arsenide (GaAs).

GaAs powder and vapor are hazardous to human health if inhaled or ingested. Do not burn, destroy, cut, cleave off, or chemically dissolve the product. Follow related laws and ordinances for disposal. The product should be excluded from general industrial waste or household garbage.



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