

SPECIAL LED INDICATOR LAMPS

EVERLIGHT

T-41-21

Lamp Size		Type No. and Remark (*)	Chip		Lens Color	Peak Wave Length λ_p (nm)	Absolute Maximum Ratings				Viewing Angle $2\theta_{1/2}$ (deg)	Electro-Optical Characteristics							Package Fig.				
			Material	Emitted Color			$\Delta\lambda$ (nm)	P_n (mW)	I_F (mA)	Peak I_F (mA)		V_F (V)			Rec. I_F (mA)	I_v (mcd)							
												Min.	Typ.	Max.		Min.	Typ.	I_F (mA)					
T-1 1/4 5.0mm Round, Wide Angle 1.0" Lead Length, 2 Chips		336HGW *	GaP	Bright Red	White	697	90	45	15	50	54	1.7	2.1	2.8	5~10	0.4	1.1	10	81				
			GaP	Green		565	30	100	30	160	54	1.7	2.1	2.8	10~20	0.5	2.5	10					
		336EGW	GaAsP/GaP	Orange		635	45	100	30	160	54	1.7	2.0	2.8	10~20	0.5	2.5	10					
			GaP	Green		565	30	100	30	160	54	1.7	2.1	2.8	10~20	0.5	2.5	10					
		336RRW	GaAsP	Red		655	40	110	40	200	54	1.5	1.7	2.0	10~20	0.3	1.0	10					
			GaAsP	Red		655	40	110	40	200	54	1.5	1.7	2.0	10~20	0.3	1.0	10					
		336GGW	GaP	Green		565	30	100	30	160	54	1.7	2.1	2.8	10~20	0.5	2.5	10					
			GaP	Green		565	30	100	30	160	54	1.7	2.1	2.8	10~20	0.5	2.5	10					
		336YYW	GaAsP/GaP	Yellow		585	35	85	20	160	54	1.7	2.0	2.8	10~20	0.5	2.5	10					
			GaAsP/GaP	Yellow		585	35	85	20	160	54	1.7	2.0	2.8	10~20	0.5	2.5	10					
		336EEW	GaAsP/GaP	Orange		635	45	100	30	160	54	1.7	2.0	2.8	10~20	0.5	2.5	10					
			GaAsP/GaP	Orange		635	45	100	30	160	54	1.7	2.0	2.8	10~20	0.5	2.5	10					
		T-1 1/4 5.0mm Round, Wide Angle 1.0" Lead Length, 2 Chips		336RRD		GaAsP	Red	Color	655	40	110	40	200	54	1.5	1.7	2.0	10~20		0.3	1.0	10	81
						GaAsP	Red		655	40	110	40	200	54	1.5	1.7	2.0	10~20		0.3	1.0	10	
336GGD	GaP			Green	565	30	100		30	160	54	1.7	2.1	2.8	10~20	0.5	2.5	10					
	GaP			Green	565	30	100		30	160	54	1.7	2.1	2.8	10~20	0.5	2.5	10					
336YYD	GaAsP/GaP			Yellow	585	35	85		20	160	54	1.7	2.0	2.8	10~20	0.5	2.5	10					
	GaAsP/GaP			Yellow	585	35	85		20	160	54	1.7	2.0	2.8	10~20	0.5	2.5	10					
336IID	GaAsP/GaP			Hi-Eff. Red	635	45	100		30	160	54	1.7	2.0	2.8	10~20	0.5	2.5	10					
	GaAsP/GaP			Hi-Eff. Red	635	45	100		30	160	54	1.7	2.0	2.8	10~20	0.5	2.5	10					

TEST CONDITION FOR EACH PARAMETER:

Parameter:	Symbol	Unit	Test Condition
Reverse Voltage	V_R	VOLT	$V_R = 5.0$ Volt
Reverse Current	I_R	μA	$I_F = 20$ mA
Forward Voltage	V_F	VOLT	$I_F = 10$ mA
Luminous Intensity	I_V	MCD	$I_F = 20$ mA
Viewing Angle	$2\theta_{1/2}$	DEGREE	
Spectral Line Half-Width	$\Delta\lambda$	nm	
Power Dissipation	Pd	mW	
Peak Forward Current (Duty 1/10 1KHz)	$I_F(\text{Peak})$	mA	
Recommended Operating Current	$I_F(\text{Rec})$	mA	

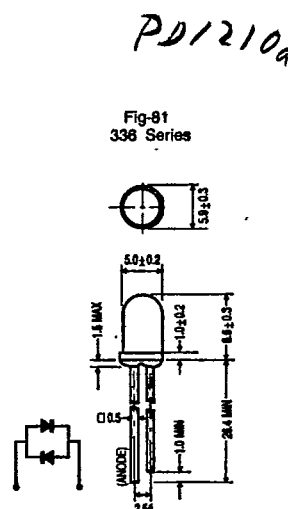
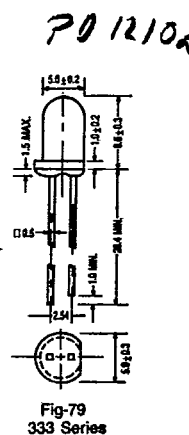
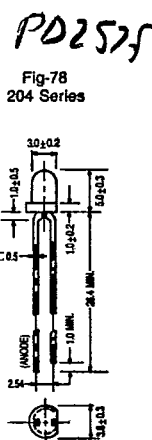
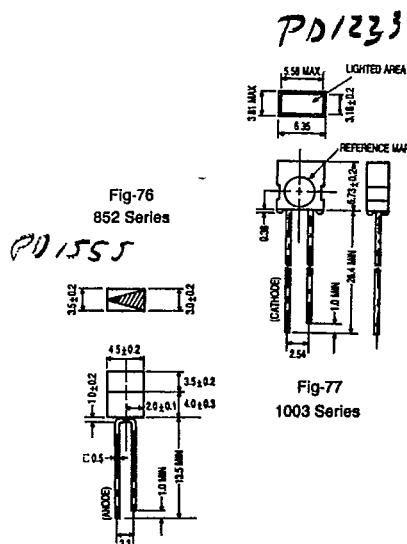
ABSOLUTE MAXIMUM RATINGS: ($T_a = 25^\circ C$)

Reverse Voltage	5 Volt
Reverse Current ($V_R = 5V$)	10 μA
Operating Temperature Range	-40°C To 85°C
Storage Temperature Range	-40°C To 100°C
Lead Soldering Temperature	260°C For 5 Seconds
(1.6mm (1/16 inch) From Body)	

REMARKS:

• The most popular Types • Common Types The rest are special Types
Hi-Eff. Red — High Efficiency Red

PACKAGE DIMENSIONS:



NOTE: 1. All dimensions are in millimeters. 2. Lead spacing is measured where the leads emerge from the package. 3. Protuded resin under flange 1.5 mm (0.059") Max.