

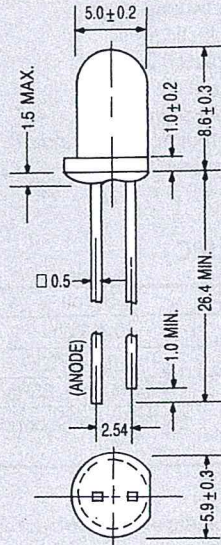
F 336 SERIES

Blinking LED Lamps (5.0 mm)

MAIN FEATURES:

- BUILT-IN CHIP, FLASHES LAMP ON AND OFF TO ATTRACT ATTENTION.
- PULSE RATE 2.0 Hz.
- 1.0 INCH LENGTH LEADS.
- LARGE FULL FLOOD RADIATING AREA.
- I.C. COMPATIBLE.

Package Dimensions:



DESCRIPTION:

The F 336HD is a solid state lamp with a red diffused plastic lens.
 The F 336GD is a solid state lamp with a green diffused plastic lens.
 The F 336YD is a solid state lamp with a yellow diffused plastic lens.
 The F 336ED is a solid state lamp with an orange diffused plastic lens.
 The F 336ID is a solid state lamp with a Hi-Eff. red diffused plastic lens.
 The built-in I.C. flashes the lamp on / off and can be driven directly by standard TTL and CMOS circuits, eliminating the need for external switching circuitry.

ABSOLUTE MAXIMUM RATINGS: (Ta = 25°C)

Operating Voltage	:	5 Volt
Peak Reverse Voltage	:	0.4 Volt
Operating Temperature Range	:	0°C to + 70°C
Storage Temperature Range	:	- 20°C to + 85°C
Lead Soldering Temperature (1.6 mm (1/16 inch) from body)	:	260°C for 5 Seconds

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

ELECTRICAL AND RADIANT CHARACTERISTICS: (Ta = 25°C)

Type No.	Chip		Lens Color	Peak Wave Length λ_p (nm)	$\Delta\lambda$ (nm)	Peak Current		Pulse Rate (Hz)			Rec. (Volt)	Iv (mcd)		Remark
	Material	Emitted Color				Typ.	Max.	Min.	Typ.	Max.		Min.	Typ.	
F 336 HD	GaP	Bright Red	Red Diffused	697	90	12	40	0.5	2.0	3.0	4 ~ 6	1.0	2.5	**
F 336 GD	GaP	Green	Green Diffused	565	30	12	40	0.5	2.0	3.0	4 ~ 6	1.2	2.5	**
F 336 YD	GaAsP/GaP	Yellow	Yellow Diffused	585	35	12	40	0.5	2.0	3.0	4 ~ 6	1.5	3.5	**
F 336 ED	GaAsP/GaP	Orange	Orange Diffused	635	45	12	40	0.5	2.0	3.0	4 ~ 6	1.2	2.5	
F 336 ID	GaAsP/GaP	Hi-Eff. Red	Red Diffused	635	45	12	40	0.5	2.0	3.0	4 ~ 6	2.0	4.0	

TEST CONDITION FOR EACH PARAMETER:

PARAMETER:	SYMBOL	UNIT	TEST CONDITION
OPERATING VOLTAGE	Vr	VOLT	
LUMINOUS INTENSITY	Iv	MCD	Vf = 5.0 Volt
SPECTRAL LINE HALF-WIDTH	$\Delta\lambda$	nm	
PEAK FORWARD CURRENT (Duty 1/4 @ 1KHz)	mA (Peak)	mA	Vr = 5.0 Volt
RECOMMENDED OPERATING VOLTAGE	Vf	VOLT	Vf = 5.0 Volt
PULSE RATE	Vr	Hz	Vr = 5.0 Volt

Remark: ** The most popular types * Common types The rest are special types
 Hi-Eff. Red → High Efficiency Red
 Trans. → Transparent