Specification	Products VISUAL LIGHT EMITTING DIODES	Type SLH-56VR3F

1. TYPE NAME SLH-56VR3F

2. CONSTRUCTION GaAsP on GaP red Visual Light Emitting Diodes packaged with red diffused epoxy.

3. USAGE Power source for display unit.

4. DIMENSIONS See Figure 1

5. ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

Power Dissipation	P_D	75	mW
Forward Current	I_F	25	mA
Peak Forward Current	I_{FP}	60	mA (notes 1)
Reverse Voltage	V_R	3	V
Operating Temperature	Topr	−25°C～+85°C	
Storage Temperature	Tstg	−30°C～+100°C	

(notes 1 Duty1/5 Pulse Width 1ms)

6. ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

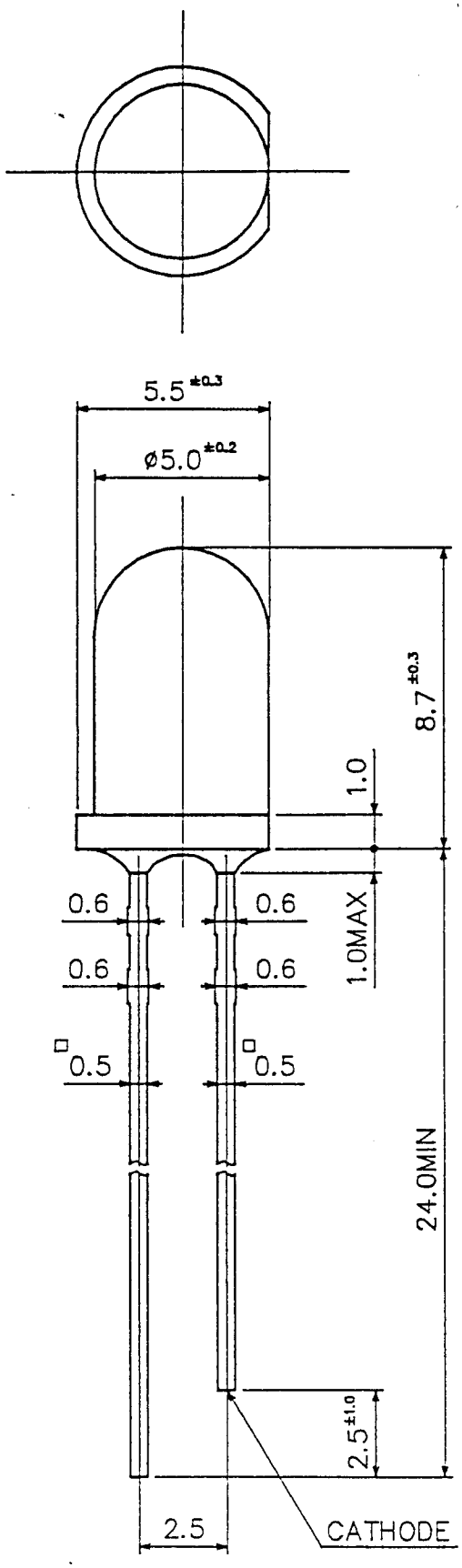
DESCRIPTION	SYMBOL	CONDITION	MIN	TYP	MAX	UNITS
Luminous Intensity	I_V	I_F=20mA	13.5	47	−	mcd
Forward Voltage	V_F	I_F=20mA	−	2.1	3.0	V
Reverse Current	I_R	V_R= 3V	−	−	10	μA
Peak Wave Length	λ_P	I_F=20mA	−	650	−	nm
Spectral Line Half Width	$\Delta\lambda$	I_F=20mA	−	40	−	nm
Input／Output Frequency	——	————	−	67.6	−	MHz

xc

According to Luminous Intensity value ROHM will specify under following rank.

ITEM	SPECIFICATION	ITEM	SPECIFICATION
XB	13.5 ～ 24	XE	42 ～ 75
XC	20 ～ 36	XF	61 ～ 110
XD	30 ～ 52	XG	90 ～ 165

Figure. 1



(Unit : mm)

7. IV CLASSIFICATION

ITEM	IV CLASSIFICATION
" P"	22 ~ 45 mcd
" Q"	36 ~ 71 mcd
" R"	56 ~ 110 mcd
" S"	90 ~ (180) mcd

IF=20mA

Due to luminous intensity up, Intensity might shift.

8. FACTORY OF ORIGIN

WAKO ELECTRIC CO., LTD. (OKAYAMA, JAPAN)
ROHM-WAKO SDN. BHD (MALAYSIA)
ROHM KOREA CORPORATION (KOREA)

9. WEIGHT

About 0.31 g per 1 piece

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xc