

Specification	Products	Type
	VISUAL LIGHT EMITTING DIODES	SLH-56YY3F

1. TYPE NAME SLH-56YY3F
2. CONSTRUCTION GaAsPonGaP yellow visual Light Emitting Diodes packaged with yellow 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	T_{opr}	-25°C ~ +85°C
Storage Temperature	T_{stg}	-30°C ~ +100°C
(notes 1 Duty 1/5 Pulse Width 1ms)		

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

DESCRIPTION	SYMBOL	CONDITION	MIN	TYP	MAX	UNITS
Luminous Intensity	I_V	$I_F = 20\text{mA}$	36	100	—	mcd
Forward Voltage	V_F	$I_F = 20\text{mA}$	—	2.2	3.0	V
Reverse Current	I_R	$V_R = 3\text{V}$	—	—	10	μA
Peak Wave Length	λ_P	$I_F = 20\text{mA}$	—	585	—	nm
Spectral Line Half Width	$\Delta\lambda$	$I_F = 20\text{mA}$	—	40	—	nm
Input/Output Frequency	—	—	—	40.3	—	MHz

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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.

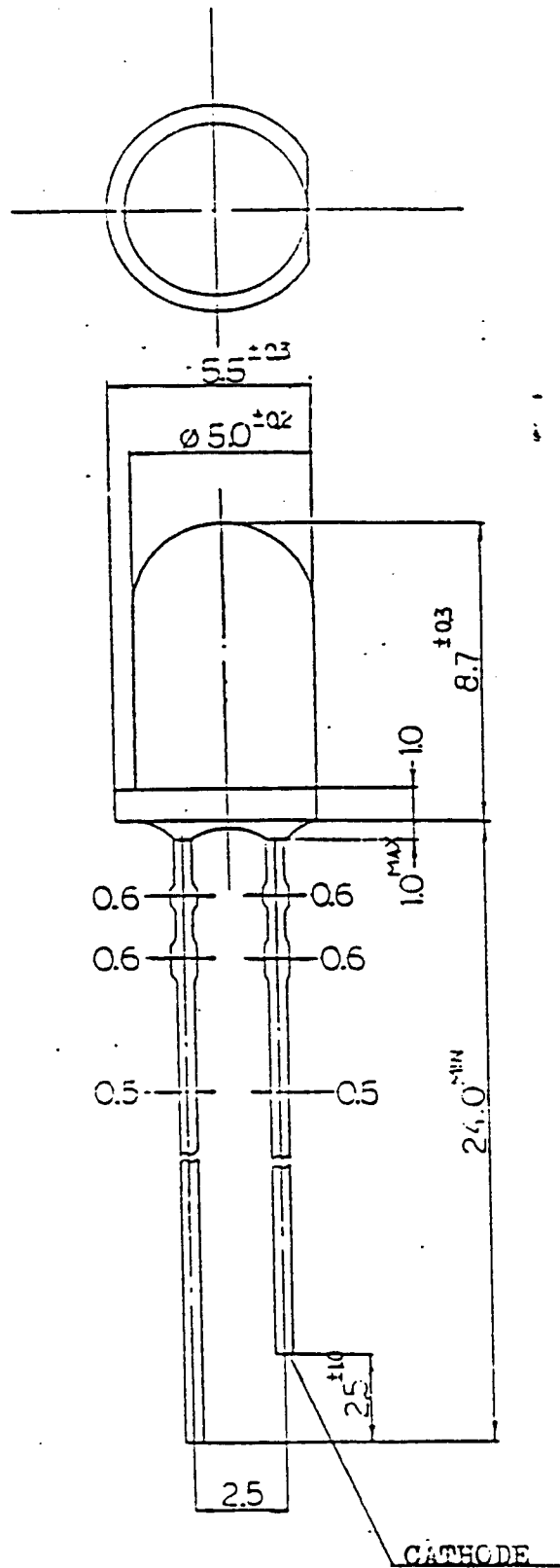
8. FACTORY OF ORIGIN

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

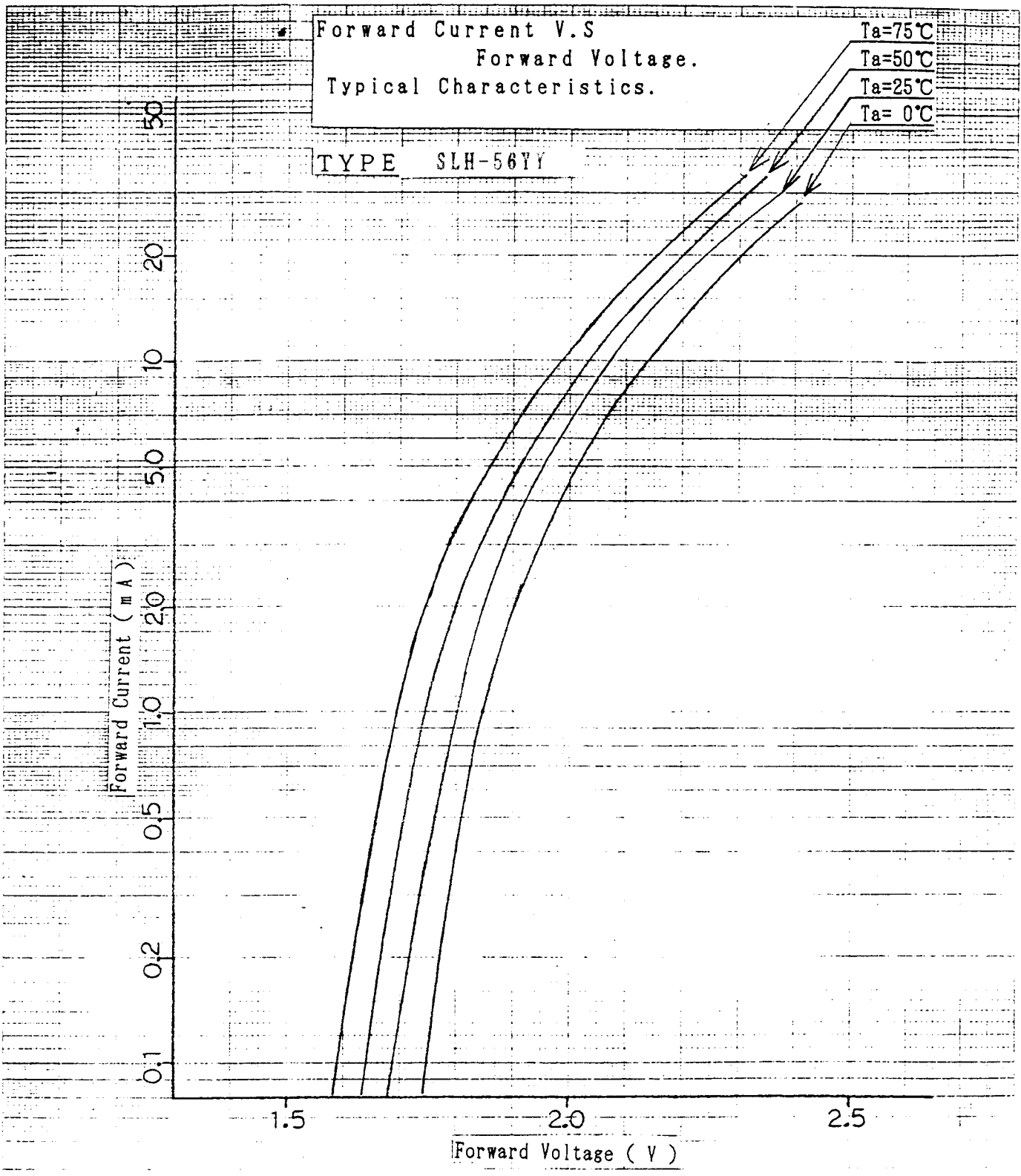
9. WEIGHT

About 0.31 g per 1 piece

Figure 1.

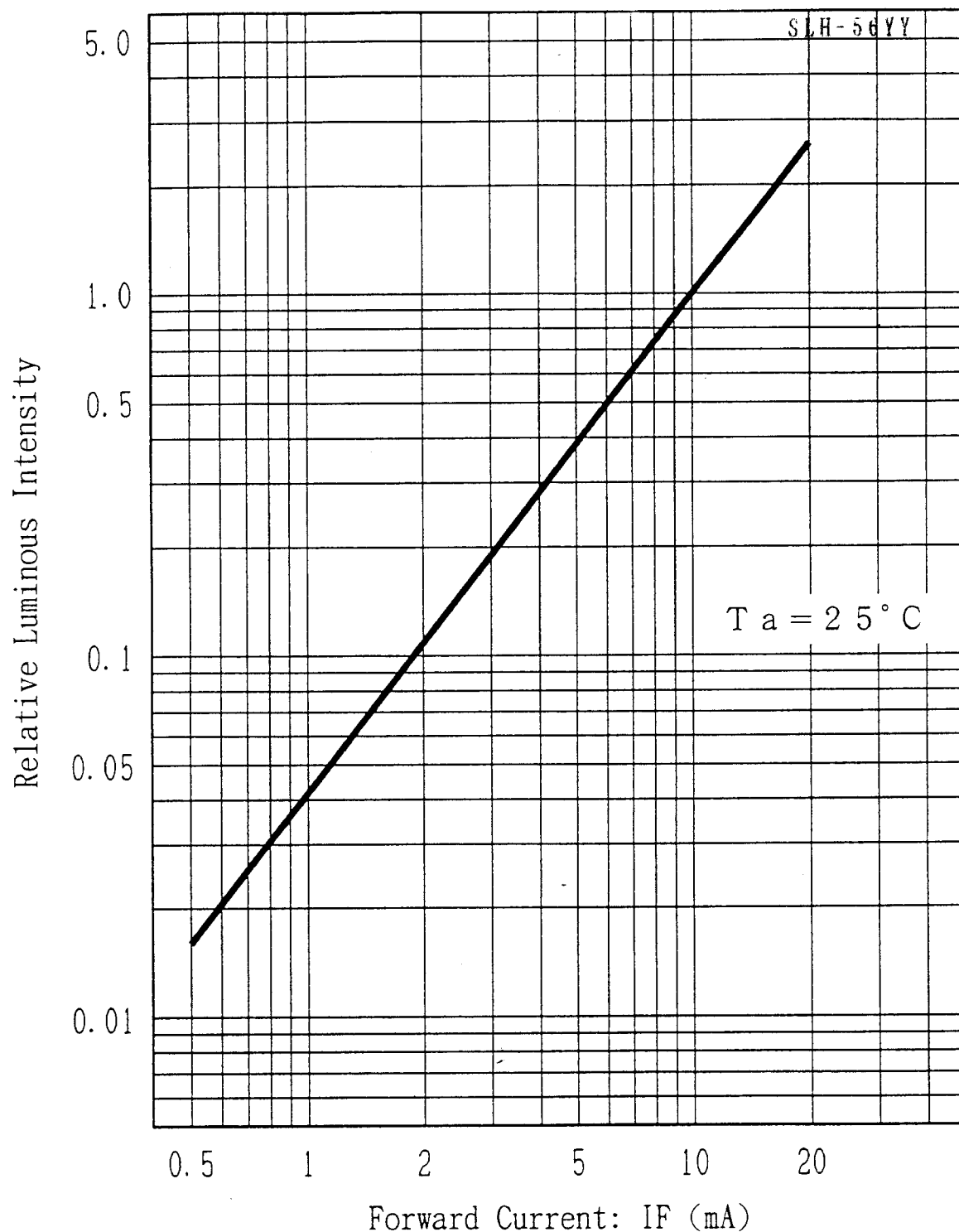


Unit : mm



RELATIVE LUMINOUS INTENSITY - FORWARD CURRENT

光度－順方向電流



Y 10

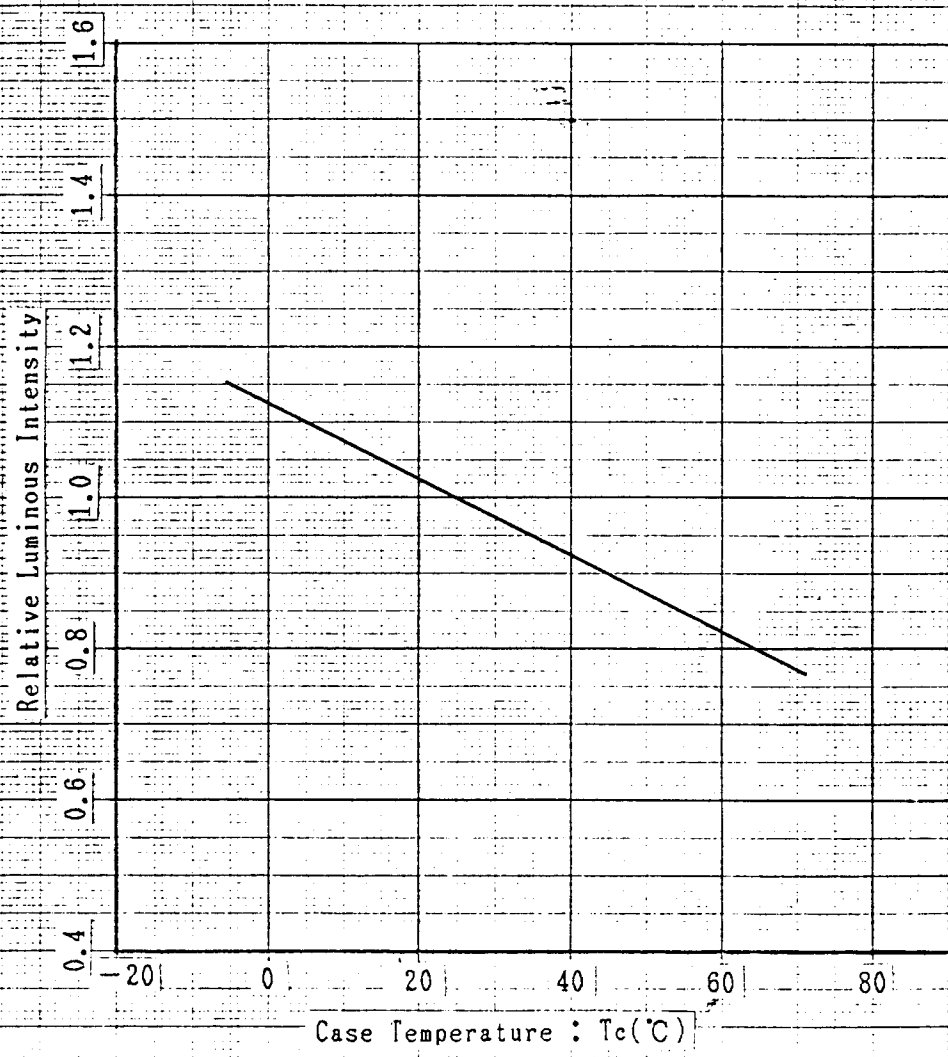
1992年9月15日

□－△株式会社

LED製造部QC1課

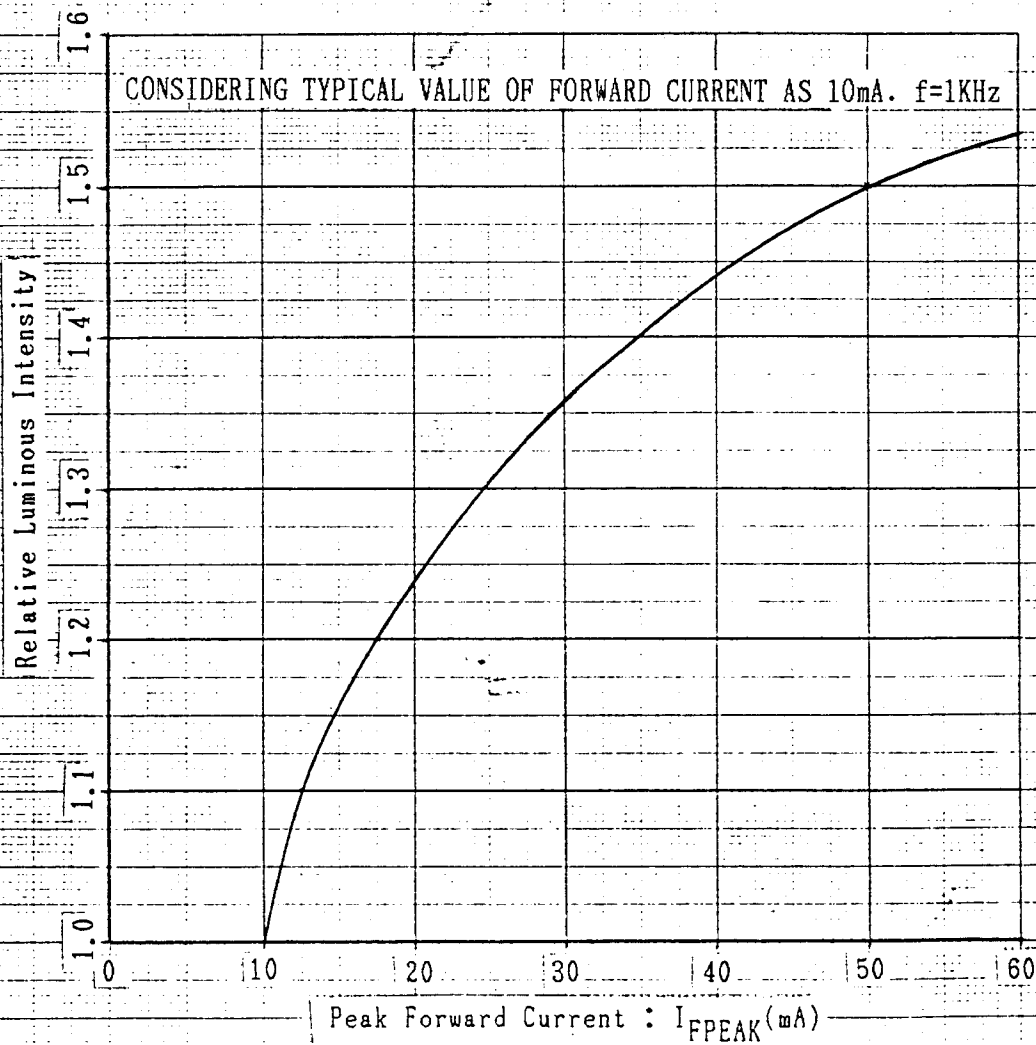
SLH-56YY

RELATIVE LUMINOUS INTENSITY - CASE TEMPERATURE



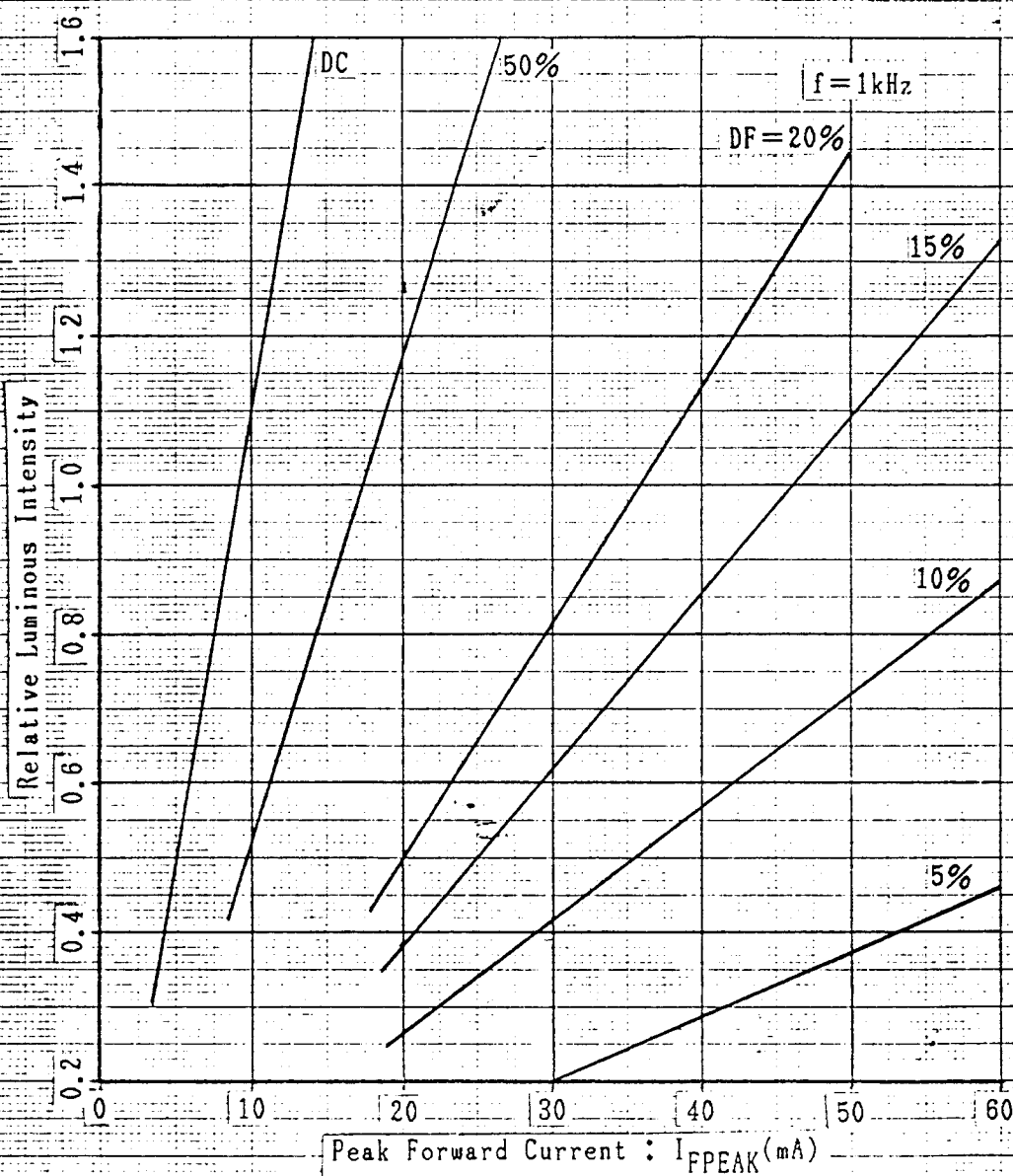
SLH-56YY

RELATIVE LUMINOUS INTENSITY - PEAK FORWARD CURRENT



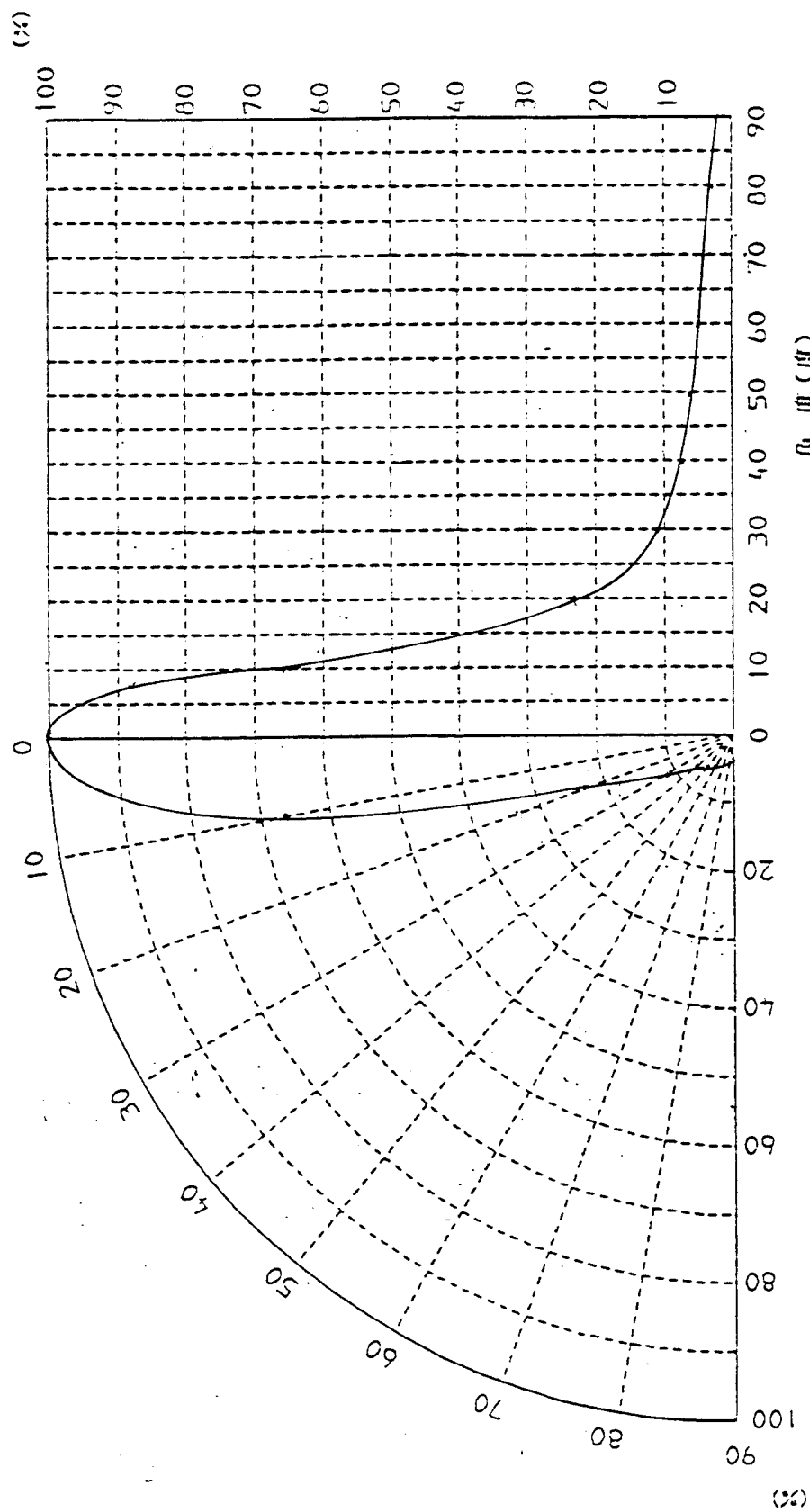
SLH-56YY

RELATIVE LUMINOUS INTENSITY - PEAK FORWARD CURRENT



指向特性

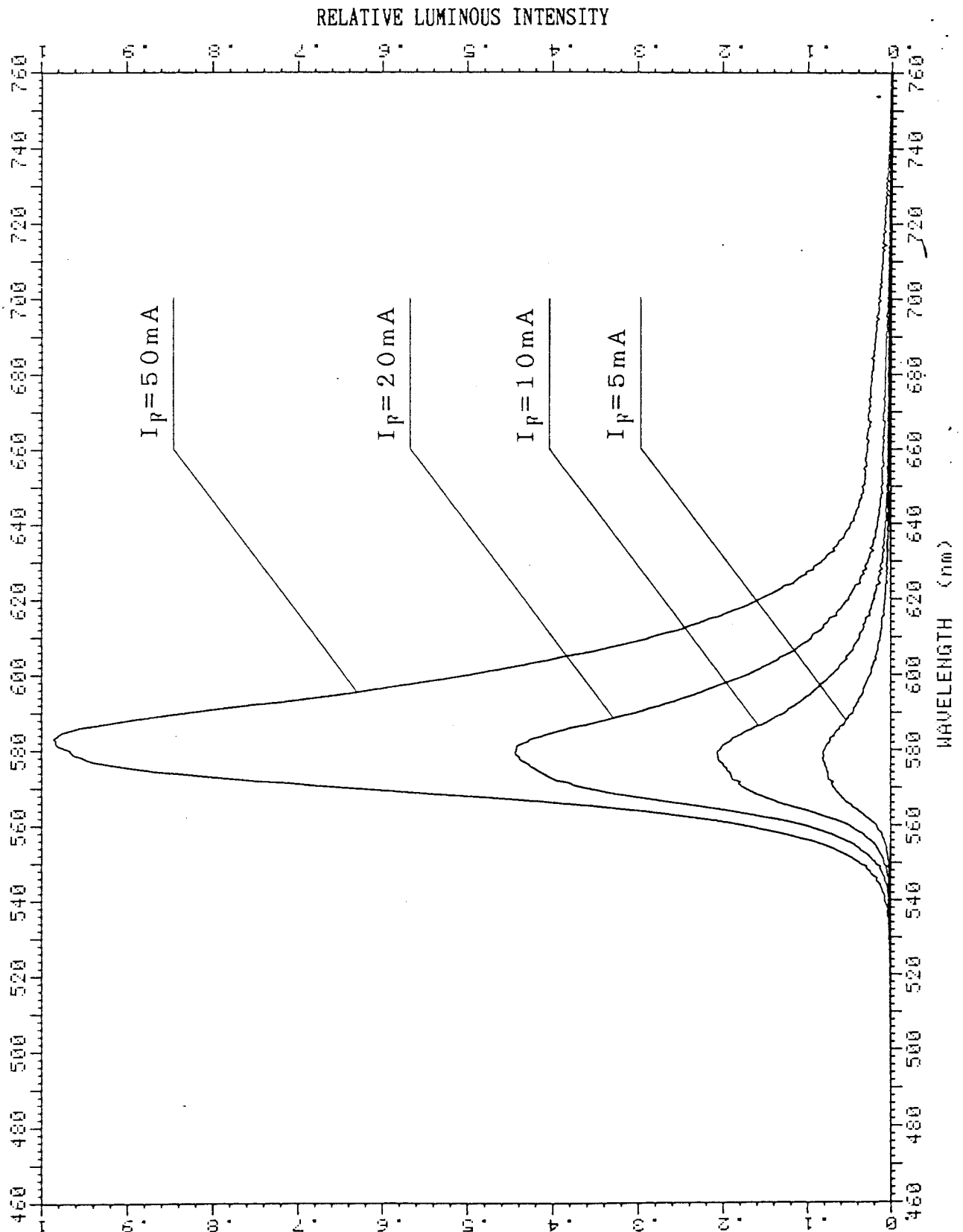
TYPE SLH-5 6 (Diffused)

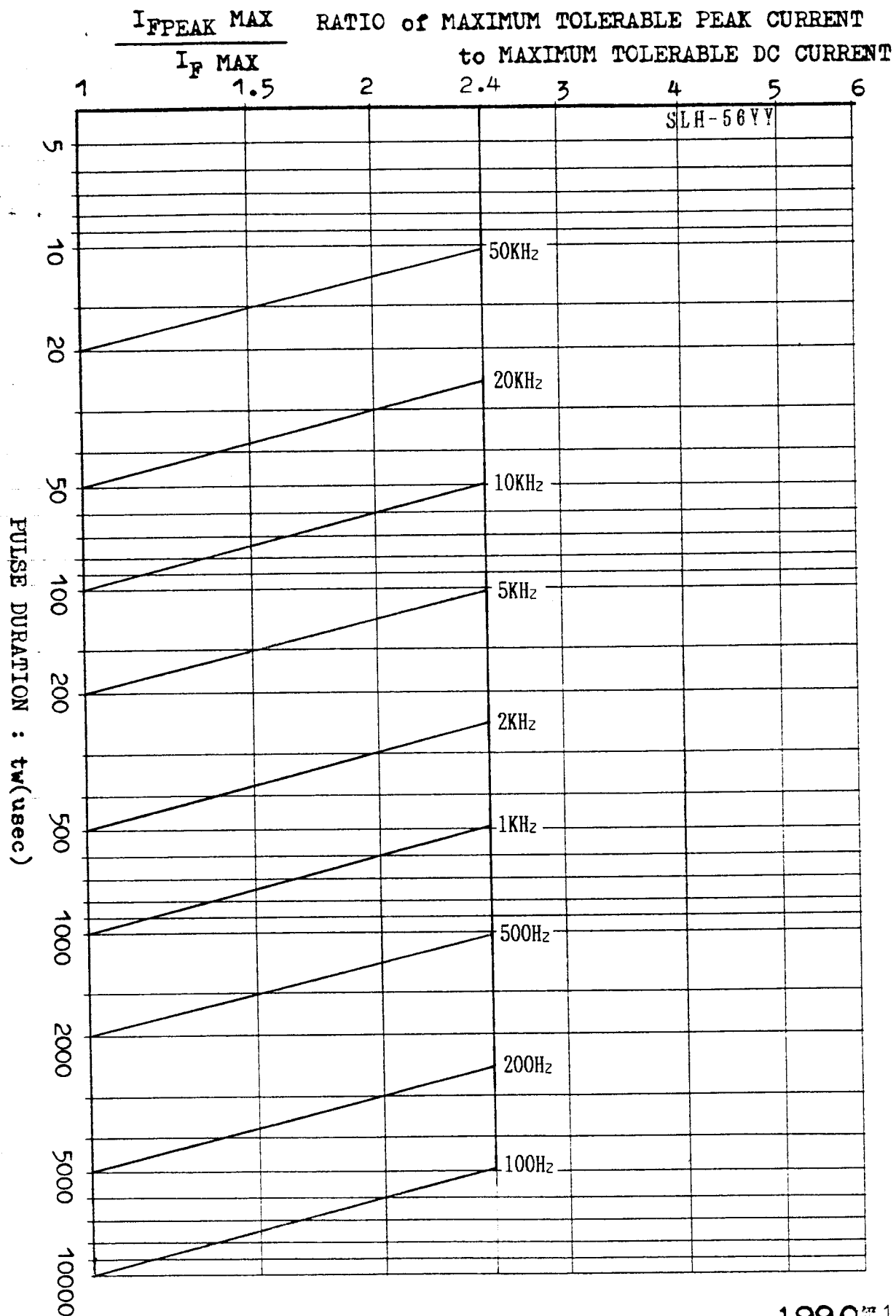


1990年4月5日

RELATIVE LUMINOUS INTENSITY V.S WAVE LENGTH CHARACTERISTICS

TYPE: SLH-56YY





MAXIMUM TOLERABLE PEAK CURRENT of PULSE DRIVE

