

STANLEY

T-41-23

**STANLEY
SUPER BRIGHT
LED LAMP****TRIANGLE TYPE****5543TRI****5553TRI****SERIES****SELECTION GUIDE**

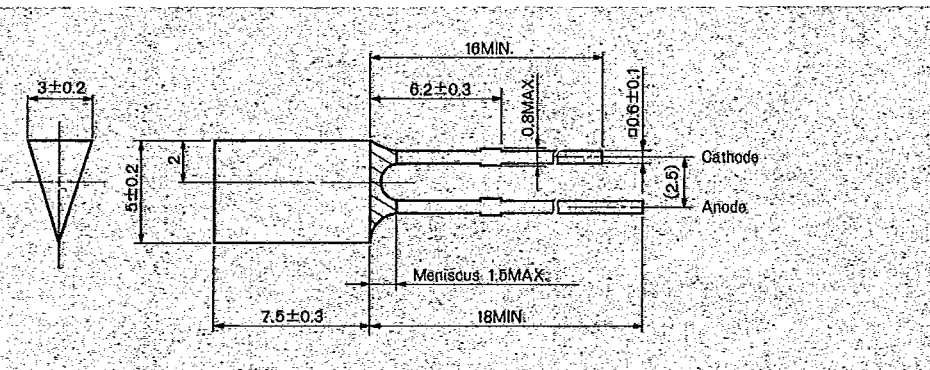
COLOR	MATERIAL	PART NUMBER
Red	GaP	SPR 5543TRI, 5553TRI
Green	GaP	SBG 5543TRI, 5553TRI
	GaP	SPG 5553TRI
Yellow	GaP	SPY 5543TRI, 5553TRI
	GaAsP/GaP	SAY 5543TRI, 5553TRI
Orange	GaAsP/GaP	SAA 5543TRI, 5553TRI

FEATURES

- AVAILABLE IN 4 COLORS; RED, GREEN, YELLOW AND ORANGE
- DIFFUSED TYPE
- MOST SUITABLE FOR DIRECTION INDICATOR OF TAPE RECORDER
- FLAT LIGHT-EMITTING SURFACE WITH UNIFORM ILLUMINATION
- LOW CURRENT DRIVE, DIRECTLY COMPATIBLE WITH IC
- QUICK RESPONSE, ALLOWING PULSED OPERATION
- HIGH RELIABILITY

DESCRIPTION

The triangular type LEDs are the standard types using GaP and GaAsP/GaP chips. As these triangular types feature high visibility, they are most suitable not only for the indicators but also for various kind of applications.

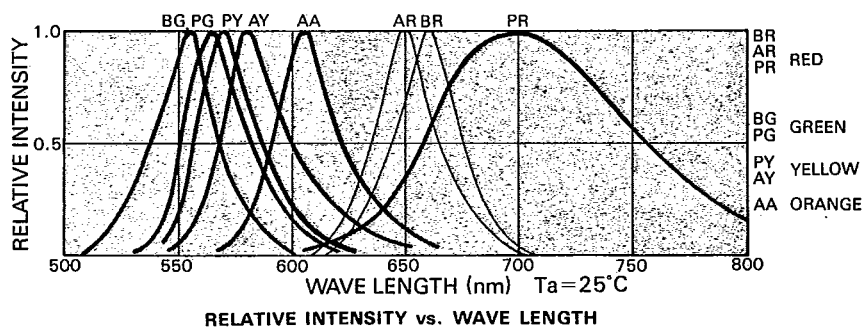
Package Dimensions—Unit in mm

Absolute Maximum Ratings ($T_a=25^{\circ}\text{C}$)
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Parameter	Symbol	Red			Green		Yellow		Orange	Units
		BR	AR	PR	BG	PG	PY	AY	AA	
Forward Current	I _F			30	50	50	50	50	50	mA
Peak Forward Current	I _{FM}			100	100	100	100	100	100	mA
Reverse Voltage	V _R	4			4		4		4	V
Power Dissipation	P _d			75	125	125	125	125	125	mW
Operating Temperature	T _{opr}	-30~+ 85			-30~+ 85		-30~+ 85		-30~+85	°C
Storage Temperature	T _{stg}	-30~+100			-30~+100		-30~+100		-30~+100	°C
Lead Soldering Temperature		260°C for 5 seconds (3.0mm from body)								

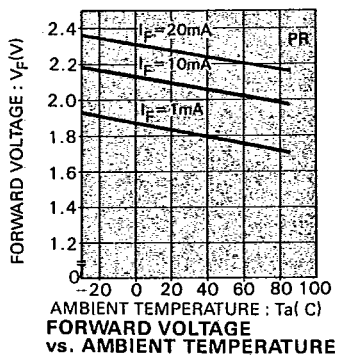
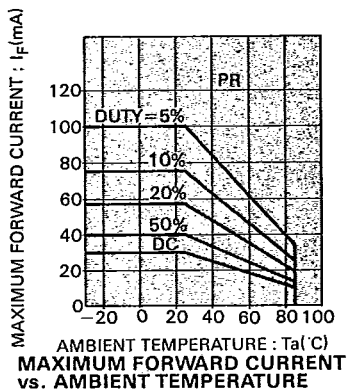
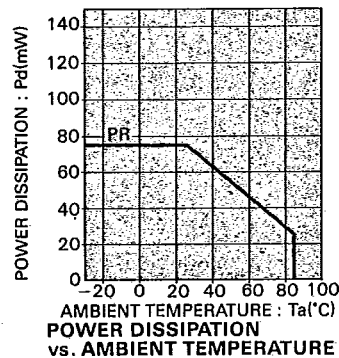
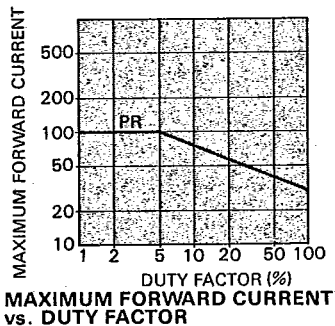
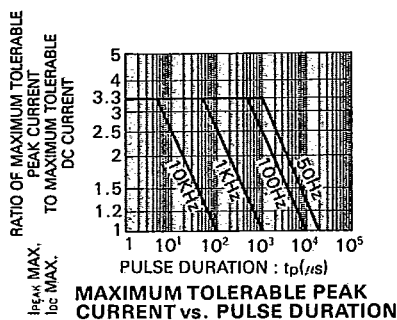
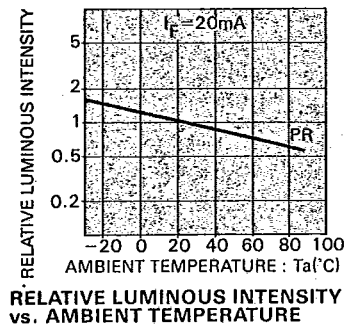
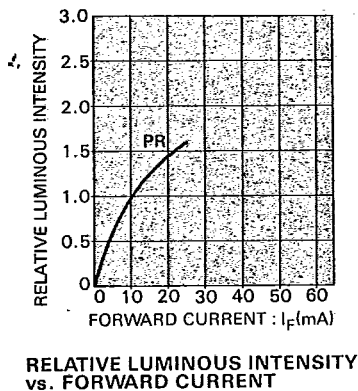
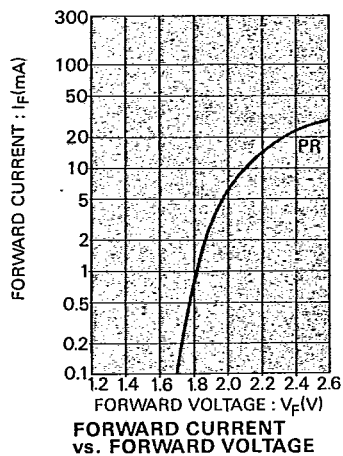
Electro-Optical Characteristics ($T_a=25^{\circ}\text{C}$)

Type No.	Chip		Lens	$I_v(\text{mcd})$		at I_F (mA)	Peak Wave Length $\lambda_p(\text{nm})$	Spectral Line Half Width $\Delta\lambda(\text{nm})$	$V_F(\text{V})$		at I_F (mA)	at $V_R 4\text{V}$ $I_R(\mu\text{A})$	Capacitance Co (pF)
	Material	Emitted Color		Min	Typ				Typ	Max			
SPR5553TRI(43TRI)	GaP	Red	C.S.D (W.S.D)	0.3	0.5	10	700	100	2.1	2.5	10	100	70
SBG5553TRI(43TRI)	GaP	Green	C.S.D (W.S.D)	0.5	1.0	20	555	30	2.1	2.5	20	100	50
SPG5553TRI	GaP	Green	C.S.D	1.5	3.0	20	565	30	2.1	2.5	20	100	40
SPY5553TRI(43TRI)	GaP	Yellow	C.S.D (W.S.D)	2	4	20	570	30	2.1	2.5	20	100	40
SAY5553TRI(43TRI)	GaAsP/GaP	Yellow	C.S.D (W.S.D)	1.2	2.4	20	580	30	2.2	2.5	20	100	40
SAA5553TRI(43TRI)	GaAsP/GaP	Orange	C.S.D (W.S.D)	1.2	2.4	20	605	30	2.2	2.5	20	100	50



RED

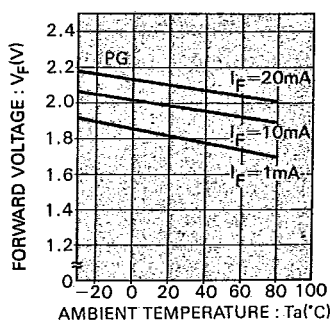
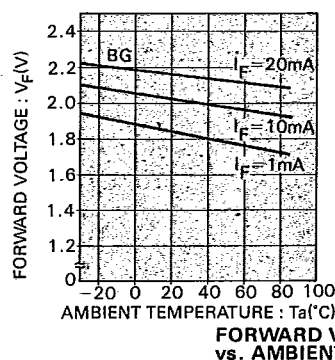
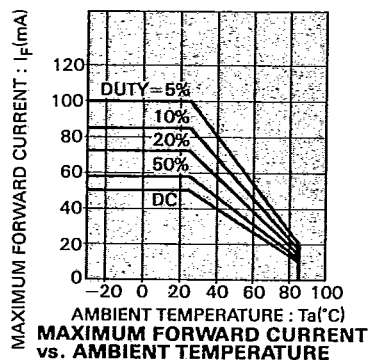
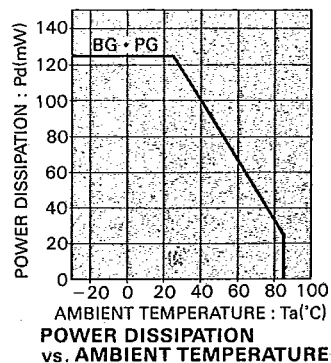
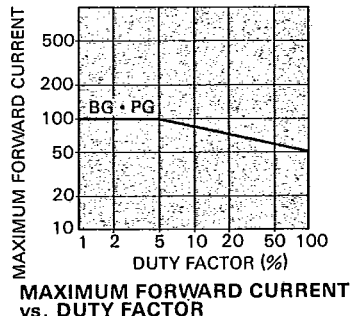
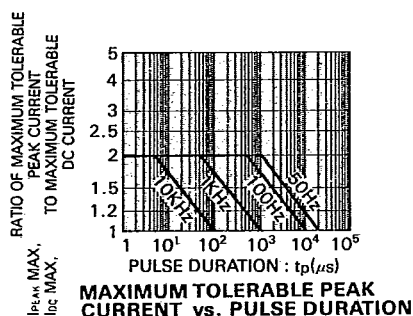
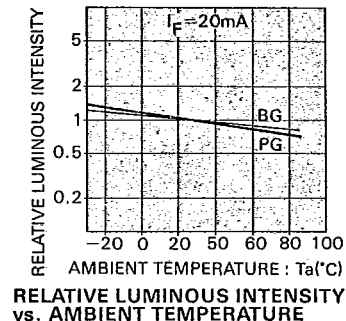
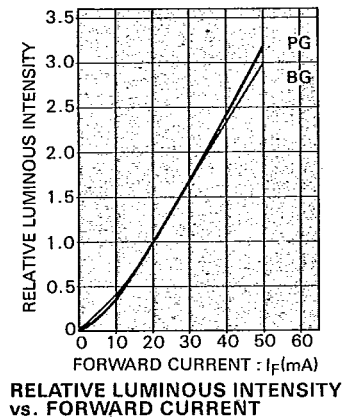
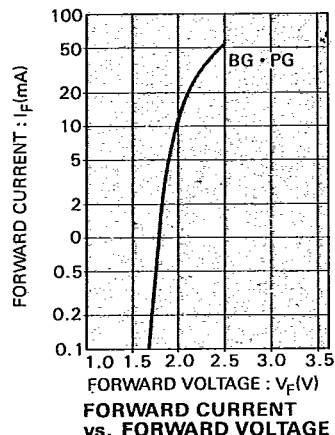
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LED LAMP

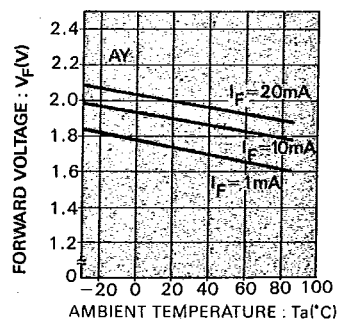
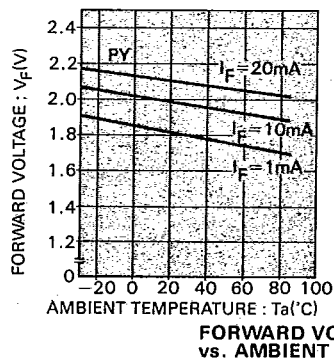
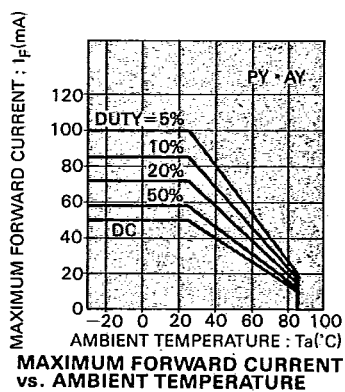
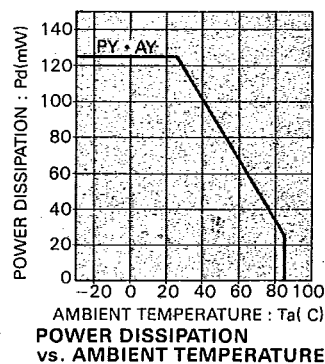
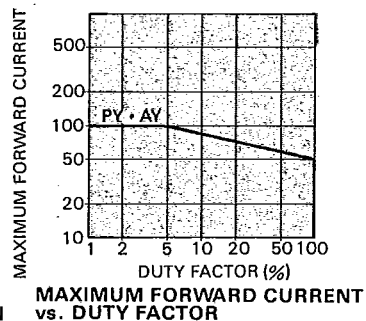
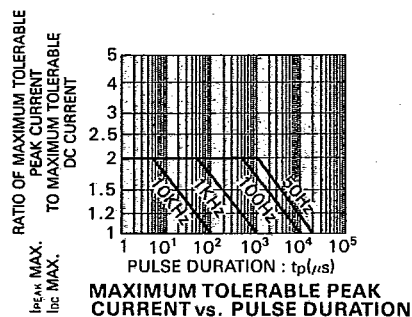
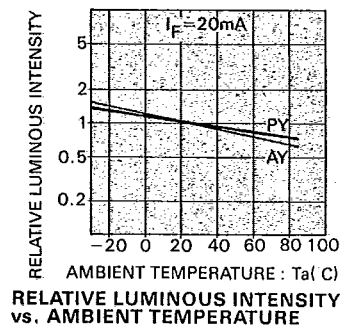
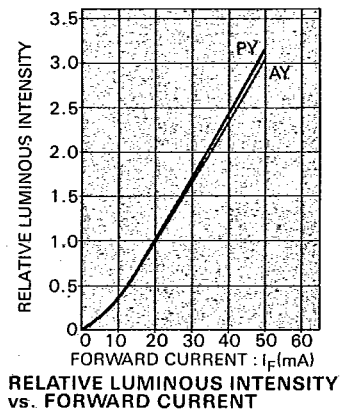
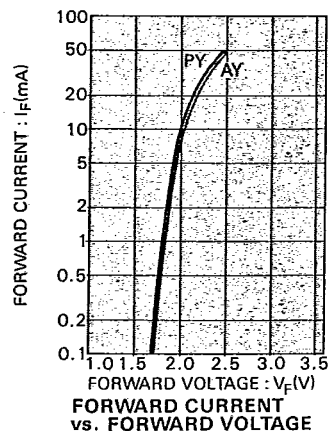
GREEN

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■ **YELLOW**

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ORANGE

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