

STANLEY**STANLEY
SUPER BRIGHT
LED LAMP**

T-41-21

φ3(T-1)TYPE

3406S**3416S****3426S****3436S****SERIES****SELECTION GUIDE**

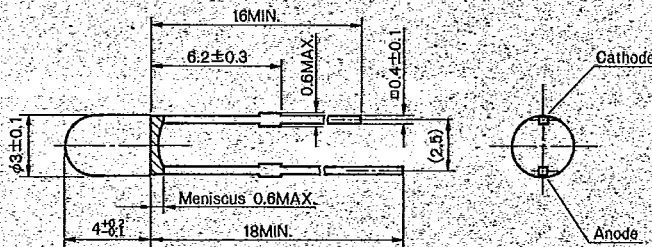
COLOR	MATERIAL	PART NUMBER
Red	GaAlAs	BR 3406S, 3426S
Green	Gap	BG 3406S, 3426S 3416S, 3436S
	Gap	PG 3436S

FEATURES

- AVAILABLE IN 4 COLORS; RED, GREEN, YELLOW AND ORANGE
- 3mm DIA EPOXY PACKAGE
- SPACE SAVING FLANGELESS TYPE (LOW PROFILE)
- AVAILABLE IN BOTH WIDE AND NARROW VIEWING ANGLES
- LOW CURRENT DRIVE, DIRECTLY COMPATIBLE WITH IC
- QUICK RESPONSE, ALLOWING PULSED OPERATION
- HIGH RELIABILITY

DESCRIPTION

These series are encapsulated in 3mm DIA epoxy packages and are available in two types according to the resin of the package; one with wide viewing angle with diffusive agent, the other in clear package with narrow viewing angle with high luminous intensity in axis direction.

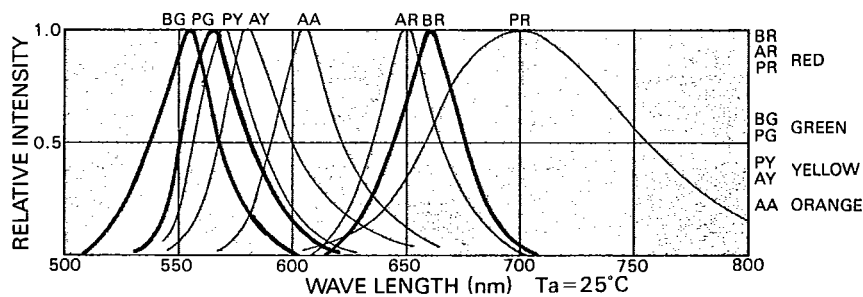
Package Dimensions—Unit in mm

Absolute Maximum Ratings ($T_a=25^\circ\text{C}$)

Parameter	Symbol	Red			Green		Yellow		Orange	Units
		BR	AR	PR	BG	PG	PY	AY	AA	
Forward Current	I _F	50			50	50				mA
Peak Forward Current	I _{FM}	300			100	100				mA
Reverse Voltage	V _R	4			4					V
Power Dissipation	P _d	100			125	125				mW
Operating Temperature	T _{opr}	-30 ~ + 85			-30 ~ + 85					°C
Storage Temperature	T _{stg}	-30 ~ +100			-30 ~ +100					°C
Lead Soldering Temperature		240°C for 3 seconds (3.0mm from body)								

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

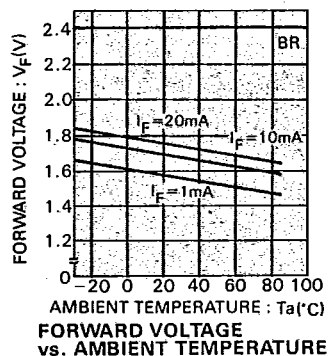
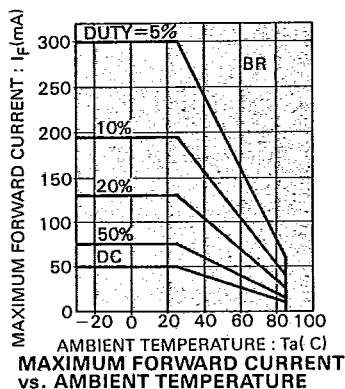
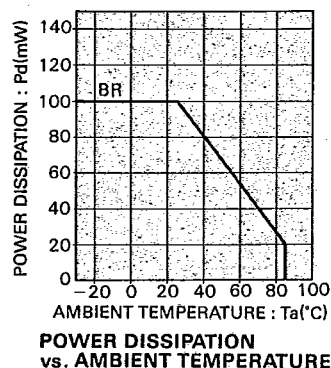
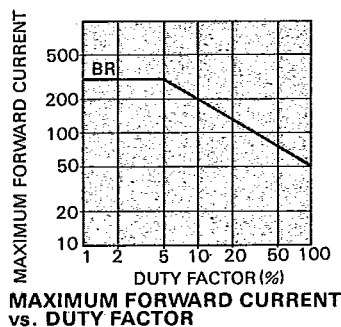
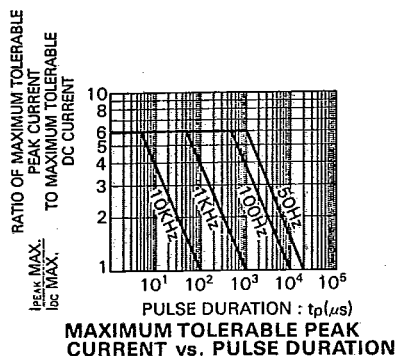
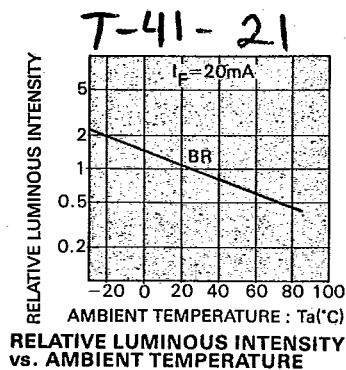
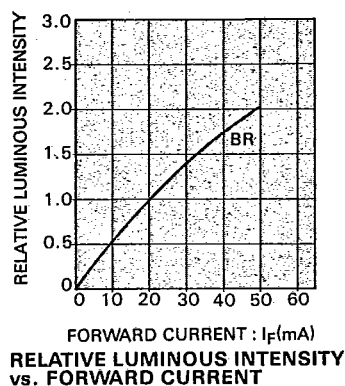
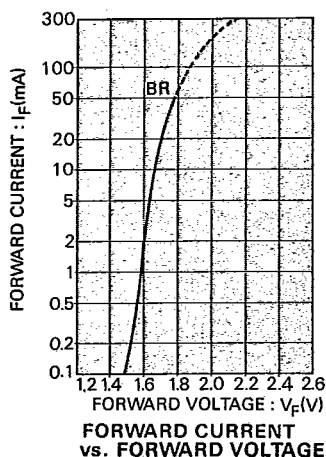
Type No.	Chip		Lens	$I_v(\text{mcd})$		at I_F (mA)	Peak Wave Length $\lambda_p(\text{nm})$	Spectral Line Half Width $\Delta\lambda(\text{nm})$	$V_F(\text{V})$		at I_F (mA)	at $V_R 4\text{V}$ $I_R(\mu\text{A})$	Capaci tance $C_o(\text{pF})$
	Material	Emitted Color		Min.	Typ.				Typ.	Max.			
BR3406S(26S)	GaAlAs	Red	W.C (C.C)	2.4	4.8	20	660	30	1.7	2.0	20	100	50
BG3406S(26S)	GaP	Green	W.C (C.C)	0.8	1.6	20	555	30	2.1	2.5	20	100	50
3436S(16S)	GaP	Green	C.D (W.D)	0.6	1.2	20	555	30	2.1	2.5	20	100	50
PG3436S	GaP	Green	C.D	1.5	3.0	20	565	30	2.1	2.5	20	100	40



RELATIVE INTENSITY vs. WAVE LENGTH



RED



GREEN

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