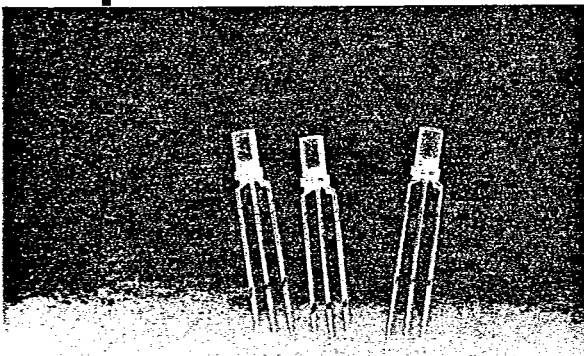


BI-COLOR TYPE
 ϕ 3(T-1) TYPE

3349S SERIES

T-41-25



COLOR	MATERIAL	PART NUMBER
Red Green	GaAsP/GaP GaP	VRBG3349S
Red Yellow	GaAsP/GaP GaP	VRPY3349S

- TWO TYPES OF BI-COLOR LIGHT EMISSION: RED/GREEN, RED/YELLOW
- BI-COLOR WITH THREE LEADS
- WHITE DEFFUSED TYPE
- IDEAL FOR DISPLAYS
- LOW CURRENT DRIVE, DIRECTLY COMPATIBLE WITH IC
- QUICK RESPONSE, ALLOWING PULSED OPERATION
- HIGH RELIABILITY

The VRBG3349S yields three colors, red, green, and a mixture of the two. Similarly, the VRPY3349S yields three colors — red, yellow, and a mixture of the two.

This series of devices expands the range of applications, including telephones, ON/OFF switches, etc.

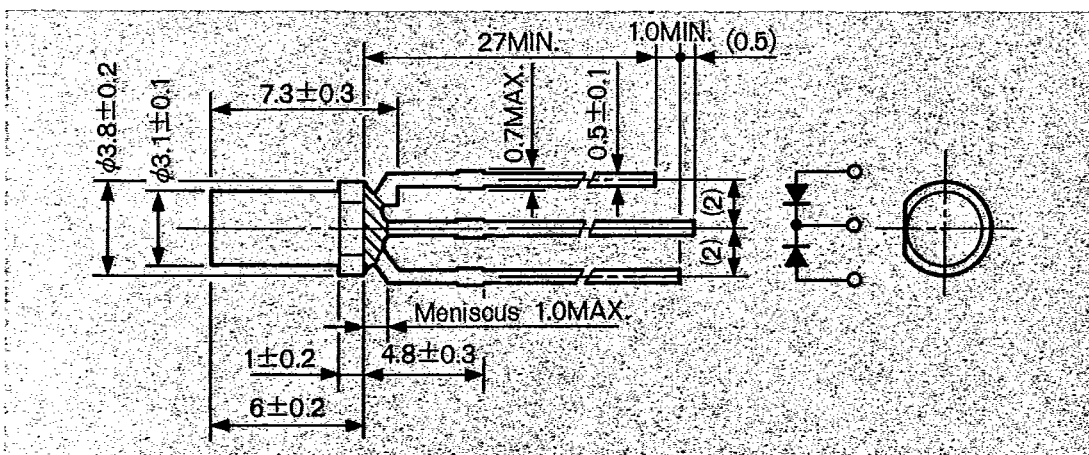
This series was developed for use as compact surface displays.

It is housed in the 3 cal molded packages.

It has a flat display for uniform brightness when used on panels.

Ideal for telephone, audio-visual equipment and moving sign boards.

■ Package Dimensions—Unit in mm



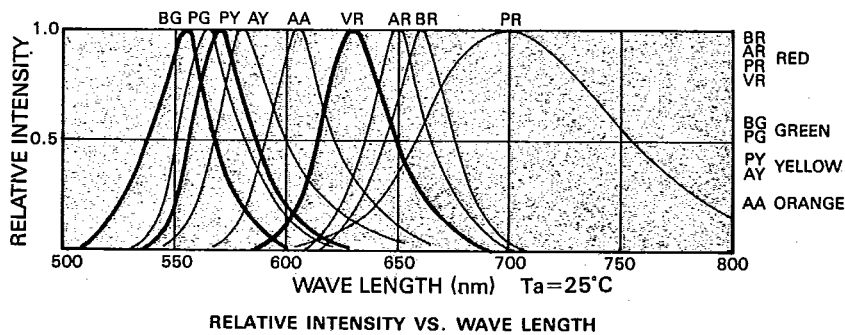
T-41-25

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

Parameter	Symbol	Red	Green		Yellow		Orange	Units
		VR	BG	PG	PY	AY	AA	
Forward Current	IF	30	30		30			mA
Peak Forward Current	IFM	100	100		100			mA
Reverse Voltage	VR	4	4		4			V
Power Dissipation	Pd	75	75		75			mW
Operating Temperature	Topr	-30~+ 85		-30~+ 85		-30~+ 85		°C
Storage Temperature	Tstg	-30~+100		-30~+100		-30~+100		°C
Lead Soldering Temperature		260°C for 5 seconds (3.0mm from body)						

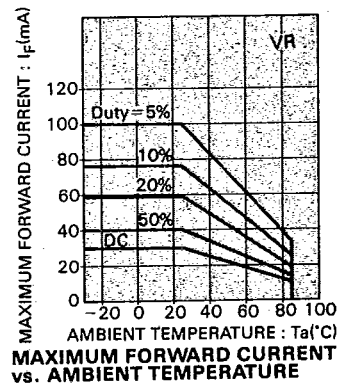
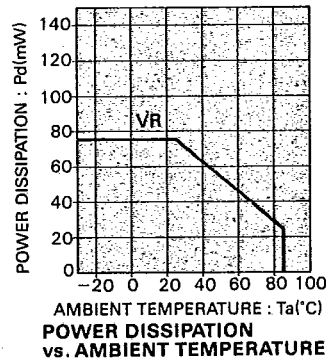
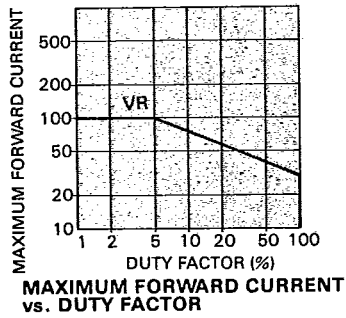
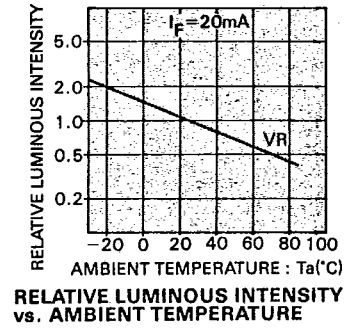
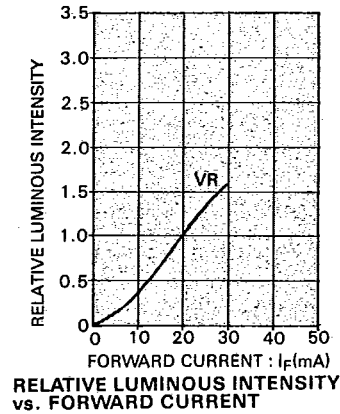
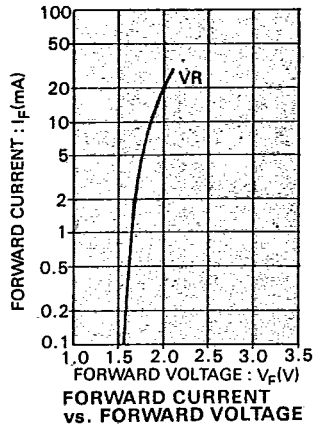
■ Electro-Optical Characteristics ($T_a=25^\circ\text{C}$)

Type No.	Chip		Lens	$I_v(\text{mcd})$		I_F (mA)	Peak Wave Length $\lambda_p(\text{nm})$	Spectral Line Half Width $\Delta\lambda(\text{nm})$	$V_F(\text{V})$		I_F (mA)	I_R (μA)	Capaci- tance Co(pF)
	Material	Emitted Color		Min.	Typ.				Typ.	Max.			
VRBG	GaAsP/GaP	Red	W.S.D	2	4	20	630	30	2.0	2.5	20	20	35
	GaP	Green	W.S.D	0.8	1.6	20	555	30	2.1	2.5	20	20	50
VRPY	GaAsP/GaP	Red	W.S.D	2	4	20	630	30	2.0	2.5	20	20	35
	GaP	Yellow	W.S.D	3	6	20	570	30	2.1	2.5	20	20	40



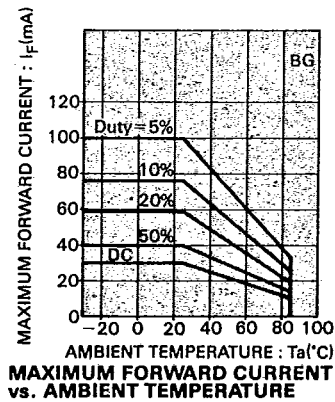
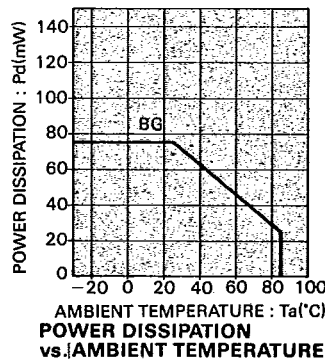
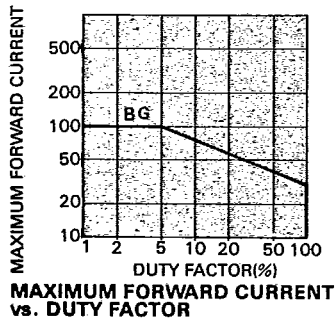
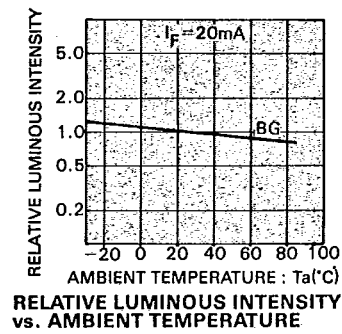
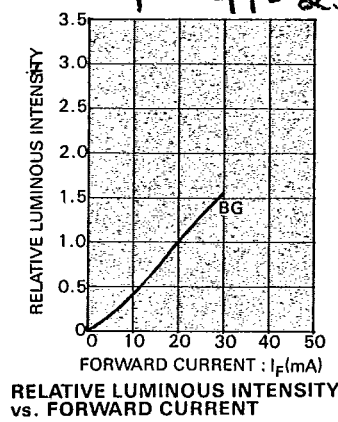
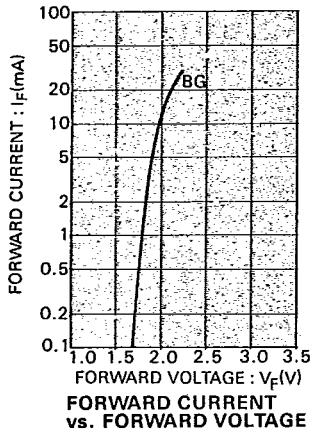
RED

T-41.25



GREEN

T-41-25



YELLOW

T-41-25

