



SUPER BRIGHT LED LAMP

ROUND SHAPE TYPE
φ3 (T-1)

3402S/3412S/3422S/3432S/3902S/3912S/3922S/3932S SERIES

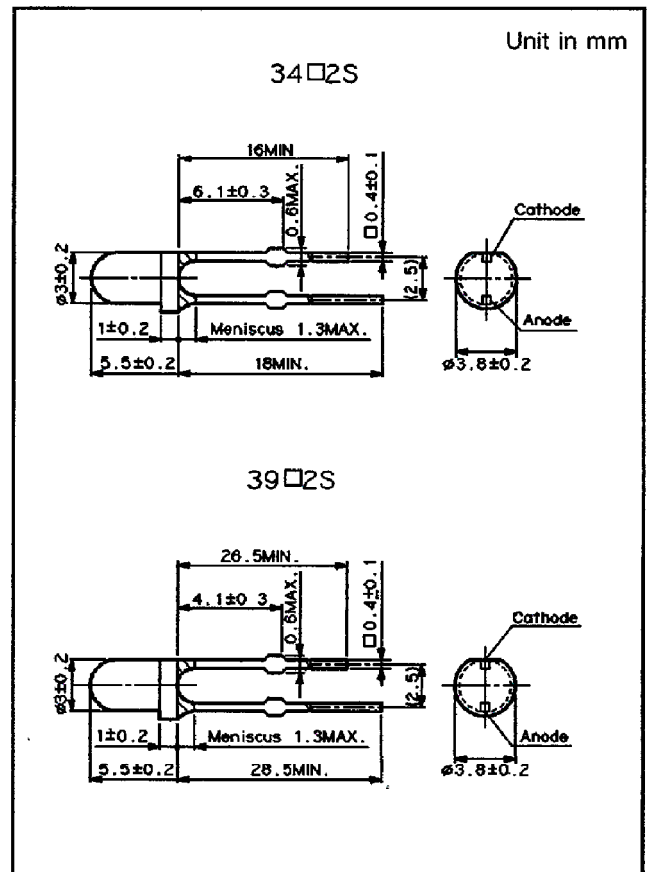
FEATURES

- AVAILABLE IN 4 COLORS; RED, GREEN, YELLOW AND ORANGE
- ALL RESIN MOLDED PACKAGE
- AVAILABLE IN WIDE VIEWING AND NARROW VIEWING ANGLES
- LOW CURRENT TYPE
- LARGE ALLOWABLE CURRENT CAPACITY, EXCELLENT FOR PULSE DRIVE
- HIGH RELIABILITY, LONG LIFE

APPLICATION

- LIGHT SOURCE FOR OA EQUIPMENT
- LIGHT SOURCE FOR AV EQUIPMENT
- LIGHT SOURCE FOR ILLUMINATED SWITCH

Package Dimension



Absolute Maximum Ratings

(Ta=25°C)

Parameter	Symbol	Red			Green		Yellow		Orange	Units
		BR	AR	PR	BG	PG(Y)	PY	AY	AA	
Forward Current	I _F	50	50	30	50	50	50	50	50	mA
Peak Forward Current	I _{FM}	300	300	100	100	100	100	100	100	mA
Reverse Voltage	V _R	4			4		4		4	V
Power Dissipation	P _d	100	100	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

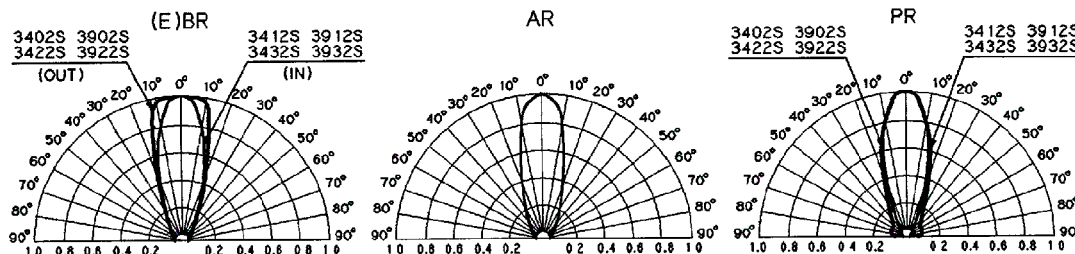
Electro-Optical Characteristics

(Ta = 25°C)

Type No.	Chip		Lens *	Iv(mcd)		at If (mA)	Peak Wave Length λp(nm)	Spectral Line Half Width Δλ(nm)	VF(V)		at If (mA)	at VR4V IR(μA)	Capacitance Co(pF)
	Material	Emitted Color		Min.	Typ.				Typ.	Max.			
BR3402S (22S)	GaAlAs	Red	W.C (C.C)	15.0	30.0	20	660	30	1.7	2.0	20	100	50
BR3432S (12S)	GaAlAs	Red	C.D (W.D)	12.0	24.0	20	660	30	1.7	2.0	20	100	50
EBR3402S (22S)	GaAlAs	Red	W.C (C.C)	30.0	60.0	20	660	30	1.7	2.0	20	100	50
EBR3432S (12S)	GaAlAs	Red	C.D (W.D)	24.0	48.0	20	660	30	1.7	2.0	20	100	50

* W.C = Water Clear C.D = Color Diffused P.C = Pastel Color
 W.D = Water Diffused W.S.D = White Surface Diffused P.D = Pastel Diffused
 C.C = Color Clear C.S.D = Color Surface Diffused P.S.D = Pastel Surface Diffused

SPATIAL DISTRIBUTION



RED

