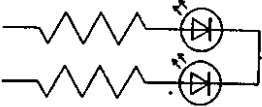
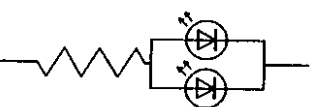


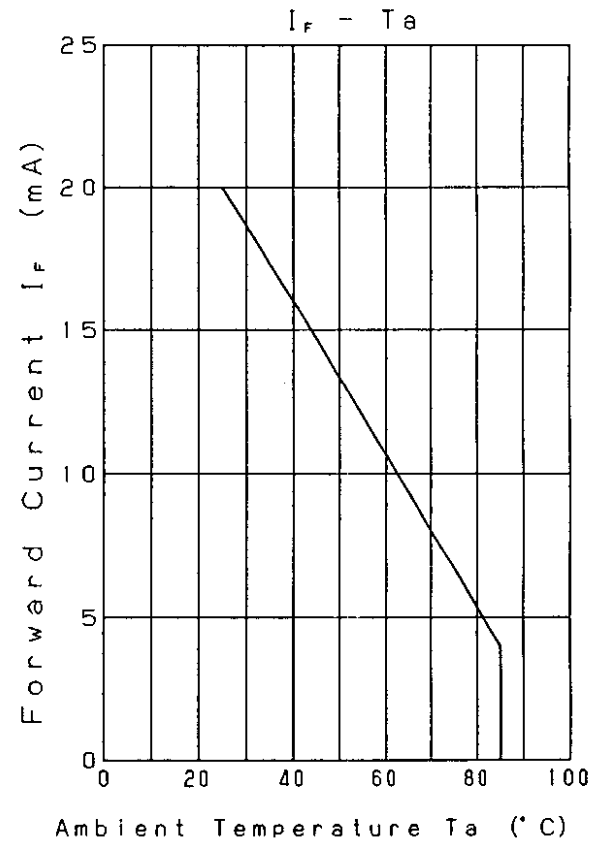
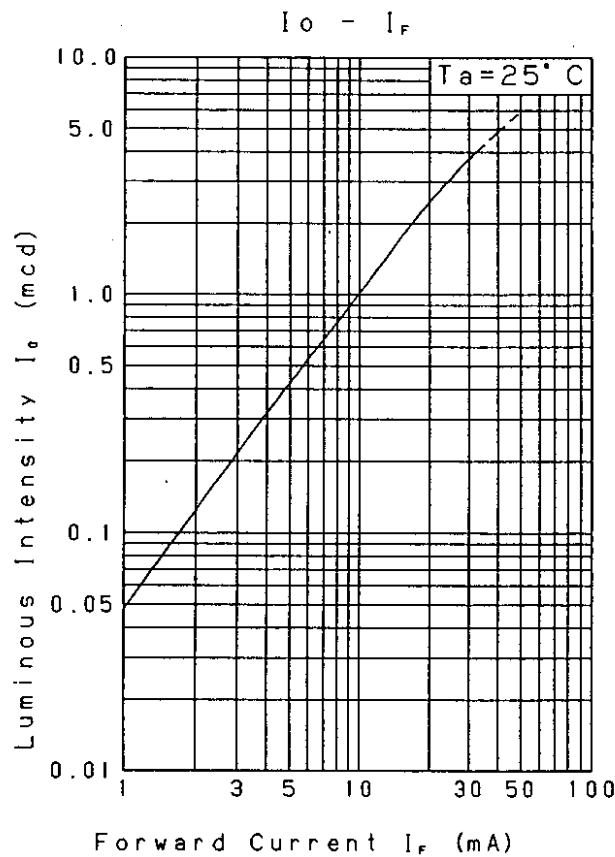
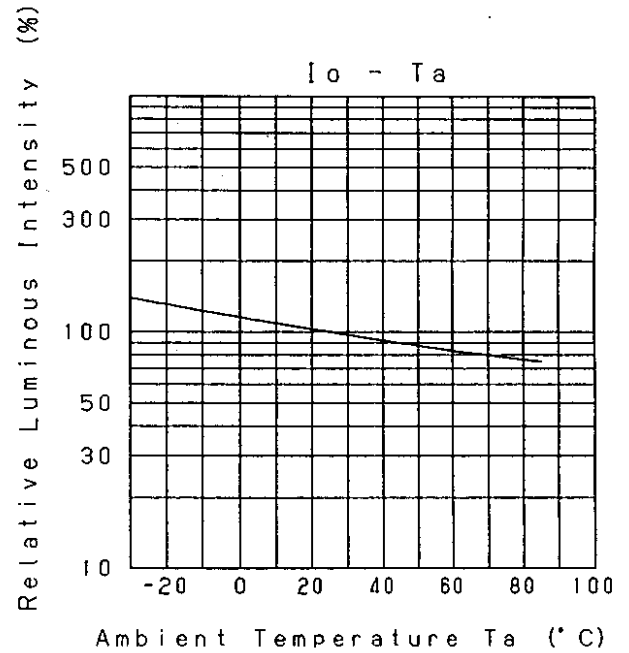
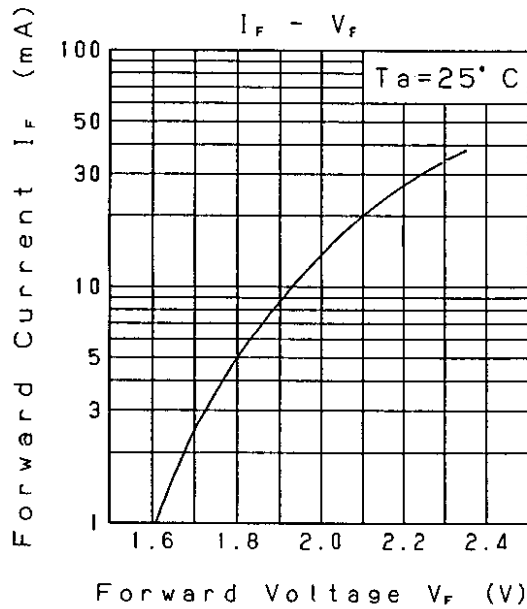
Approved	Checked	Designed	DEVELOPMENT SPECIFICATION					
		T. Takato	P/N: LN1811K8SRA				TEMPORARY	
T Y P E			Soft Orange Light Emitting Diode					
APPLICATION			Indications					
MATERIAL			GaAsP					
OUTLINE			Attached					
ABSOLUTE MAXIMUM RATINGS			P	*1 I _{FP}	I _{FDC}	V _R	Topr	Tstg
			60	60	20	3	-30~+85	-40~+100
			mW	mA	mA	V	°C	°C
CONDITION			T _a = 25 ± 3°C					
Test Specification								
I t e m		Symbol	C o n d i t i o n		Typ	Limit		Unit
						Min	Max	
Forward Voltage		V _F	I _F = 10 mA		1.93		2.6	V
Reverse Leakage Current		I _R	V _R = 3 V				10	μA
Luminous Intensity *2		I _O	I _F = 10 mA DC		1.0	0.5		mcd
Peak Emission Wavelength		λ _p	I _F = 10 mA DC		610			nm
Spectral Line Half Width		Δλ	I _F = 10 mA DC		40			nm
*1. The Condition of I_{FP} is duty 10 %, Pulse width 1 ms *2. Tolerance of luminous intensity: ±20%. NOTE ★1. Please contact the Panasonic local office if you design at low current (below 1mA DC) or pulse current operation and have any questions. ★2. Soldering conditions.....Refer to Handling note. ★3. Compositions of the lead Cu/Ni/Au plating ★4. Circuit to operate LED.								
						(A) Recommended circuit. (B) The difference of brightness between the LED could be found due to the V_F characteristics of each LED.		
(A)			(B)					
Oct. 18, 2001								

Panasonic

KAGOSHIMA MATSUSHITA ELECTRONICS CO., LTD

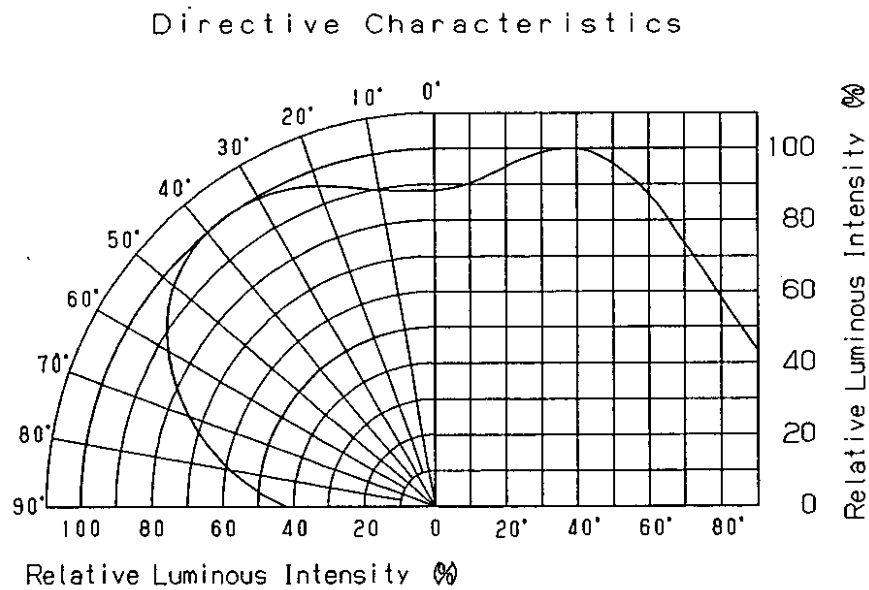
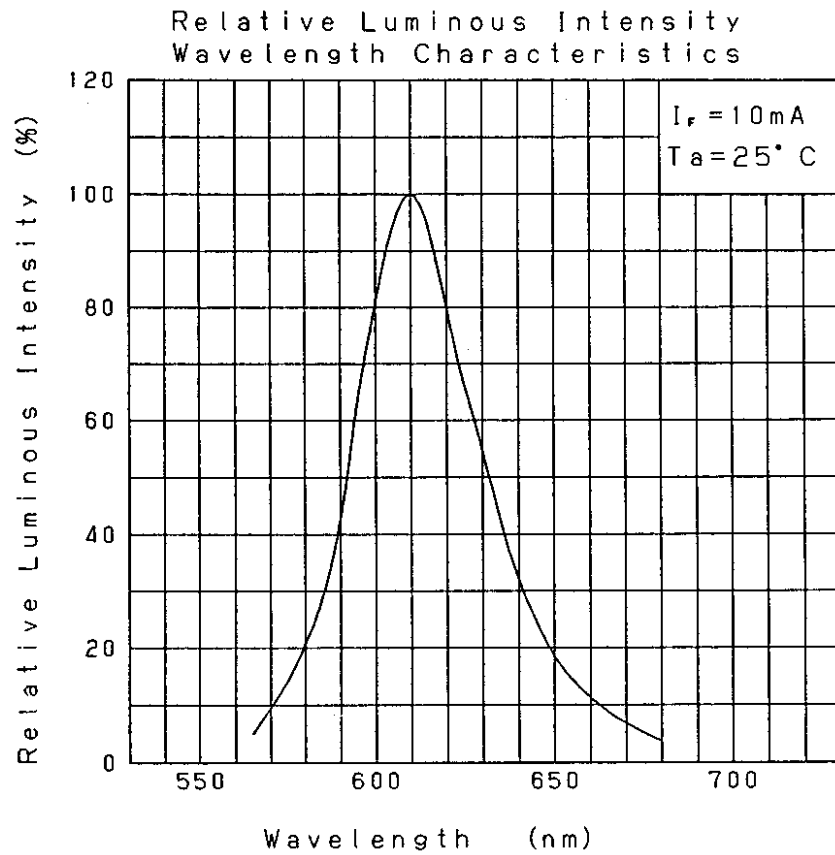
KB-H-022-018B

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION	TEMPORARY	
		T. Takata			
			P/N: LNJ811K8SRA		



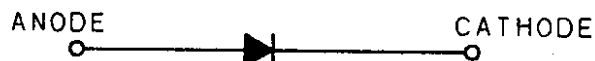
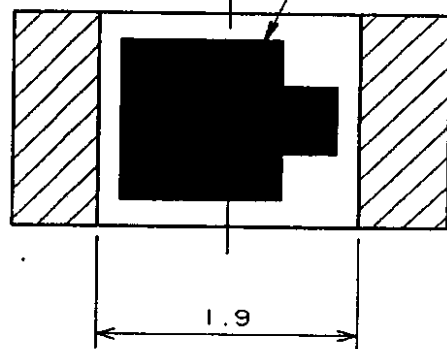
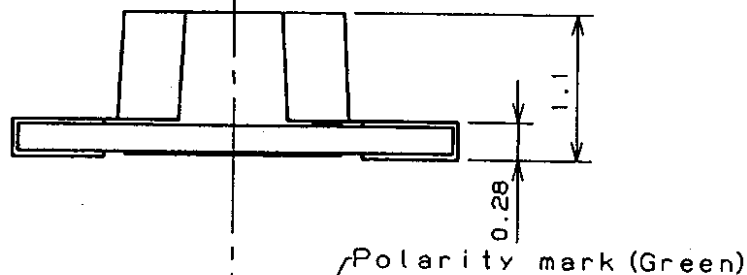
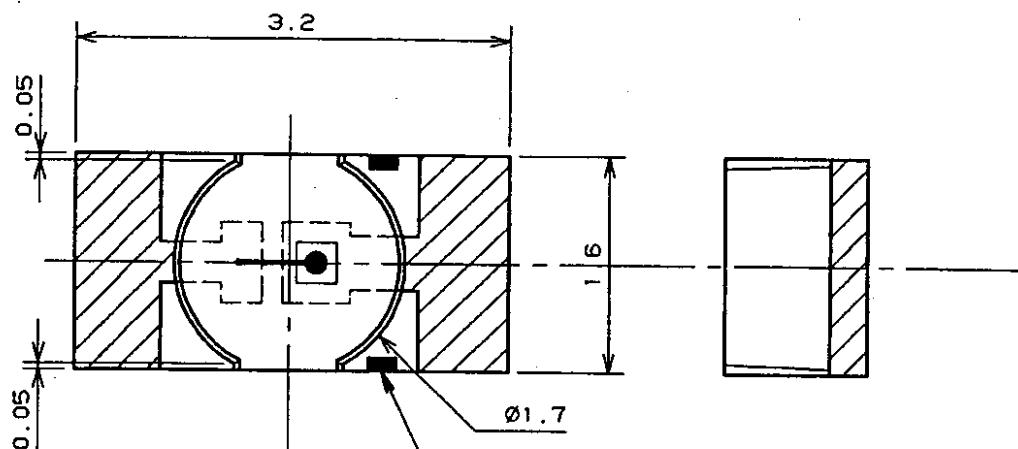
Oct.20.2001			

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION	TEMPORARY
		T. Tabata		



Oct. 20. 2001		

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION (OUTLINE)
<i>H. Yamazaki</i>	<i>T. Shioda</i>	<i>T. Tabatake</i>	P/N: _____



(NOTE)
 1. Unit: mm
 2. Tolerance unless specified is ± 0.15 .
 3. indicate Au terminal.

Jan. 14, 1989		

DESIGNED BY: KACCHUWA MATSUCHITA ELECTRONICS CO., LTD. DRAWN BY: KACCHUWA MATSUCHITA ELECTRONICS CO., LTD.