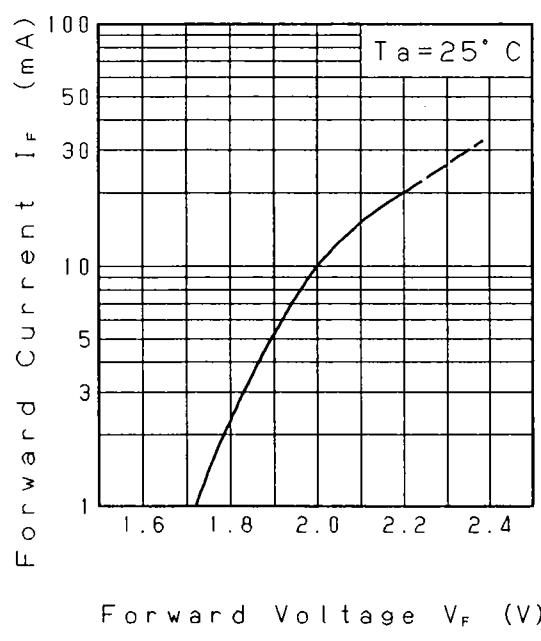


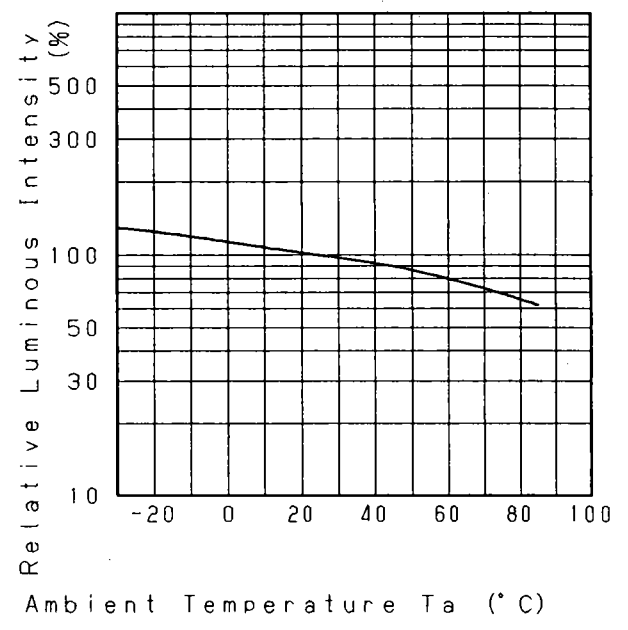
Approved	Checked	Designed	DEVELOPMENT SPECIFICATION							
<i>T. Okada</i>	<i>M. Ni</i>	<i>T. Tabata</i>	P/N: LNJ 416Q8YRU							
T	Y	P	E	Amber Light Emitting Diode						
APPLICATION				Indicators						
MATERIAL				GaAs [?]						
OUTLINE				Attached						
ABSOLUTE MAXIMUM RATINGS				P	※ I _{FP}	I _{FDC}	V _R	Topr	Tstg	
				60	100	20	4	-30~+85	-40~+100	
				mW	mA	mA	V	°C	°C	
CONDITION				T _a = 25 ± 3°C						
Test Specification										
Item	Symbol	Condition	Typ	Limit		Unit				
				Min	Max					
Forward Voltage	V _F	I _F = 10 mA	2.0		2.6	V				
Reverse Leakage Current	I _R	V _R = 4 V			10	μA				
Luminous Intensity	I _O	I _F = 10 mA · DC	3.3	1.2		mcd				
Peak Emission Wavelength	λ _p	I _F = 10 mA · DC	590			nm				
Spectral Line Half Width	Δλ	I _F = 10 mA · DC	30			nm				
※ · The Condition of I _{FP} is duty 10 %, Pulse width 1 ms · Please contact the Panasonic local office if you design at low current (below 1 mA DC) or pulse current operation and have any questions.										
NOTE										
1. Soldering conditions. Refer to Handling note.										
2. Care should be taken that soldering is done within 3-days after opening the dry package and reel.										
3. Compositions of the lead····Cu/Ni/Au plating										
4. Lens : Yellow clear type										
Jan. 31. 2000										

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION			
T. Shoda	K. Ni	T. Tabata		P/N:LNJ416Q8YRU		

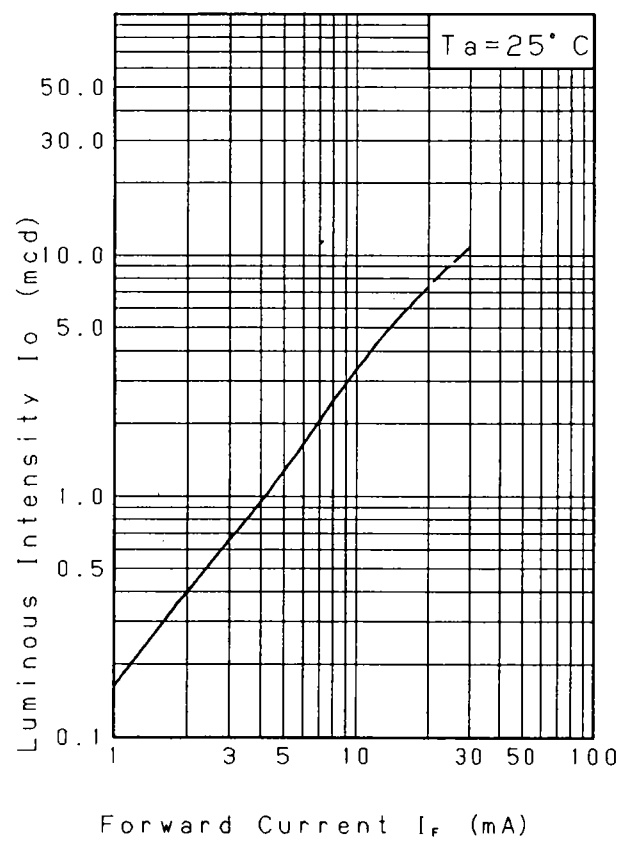
$I_F - V_F$



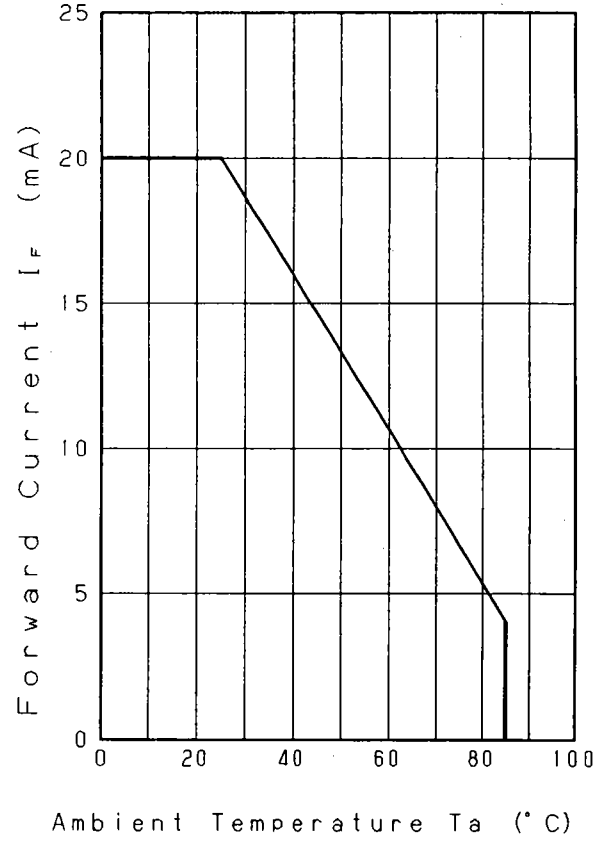
$I_o - T_a$



$I_o - I_F$



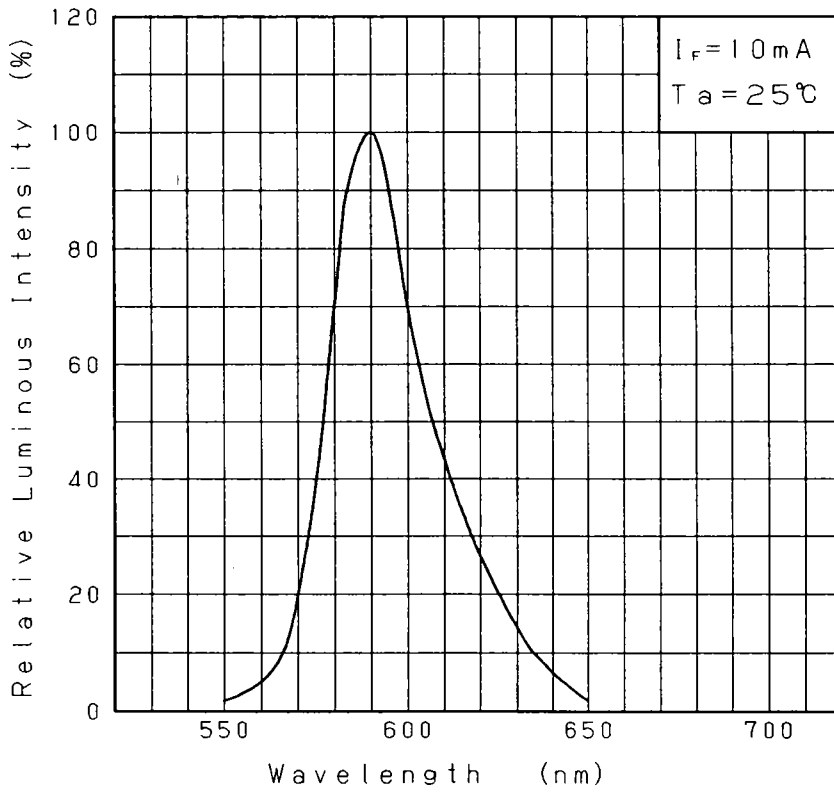
$I_F - T_a$



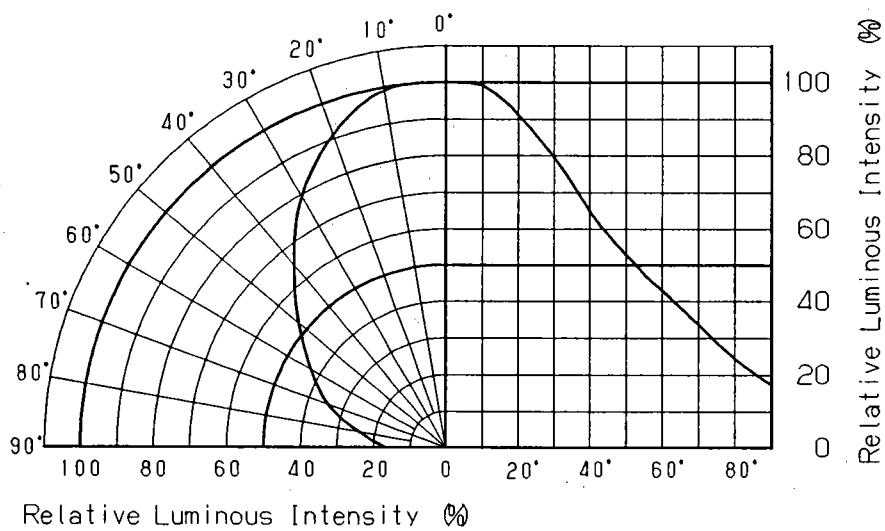
Jan. 31. 2000			

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION			
<i>T. Shoda</i>	<i>M. Hori</i>	<i>T. Tabata</i>	P/N: LN416Q8YRU			

Relative Luminous Intensity
Wavelength Characteristics

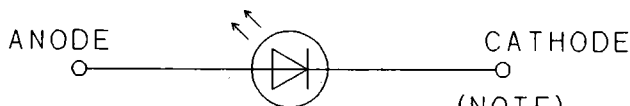
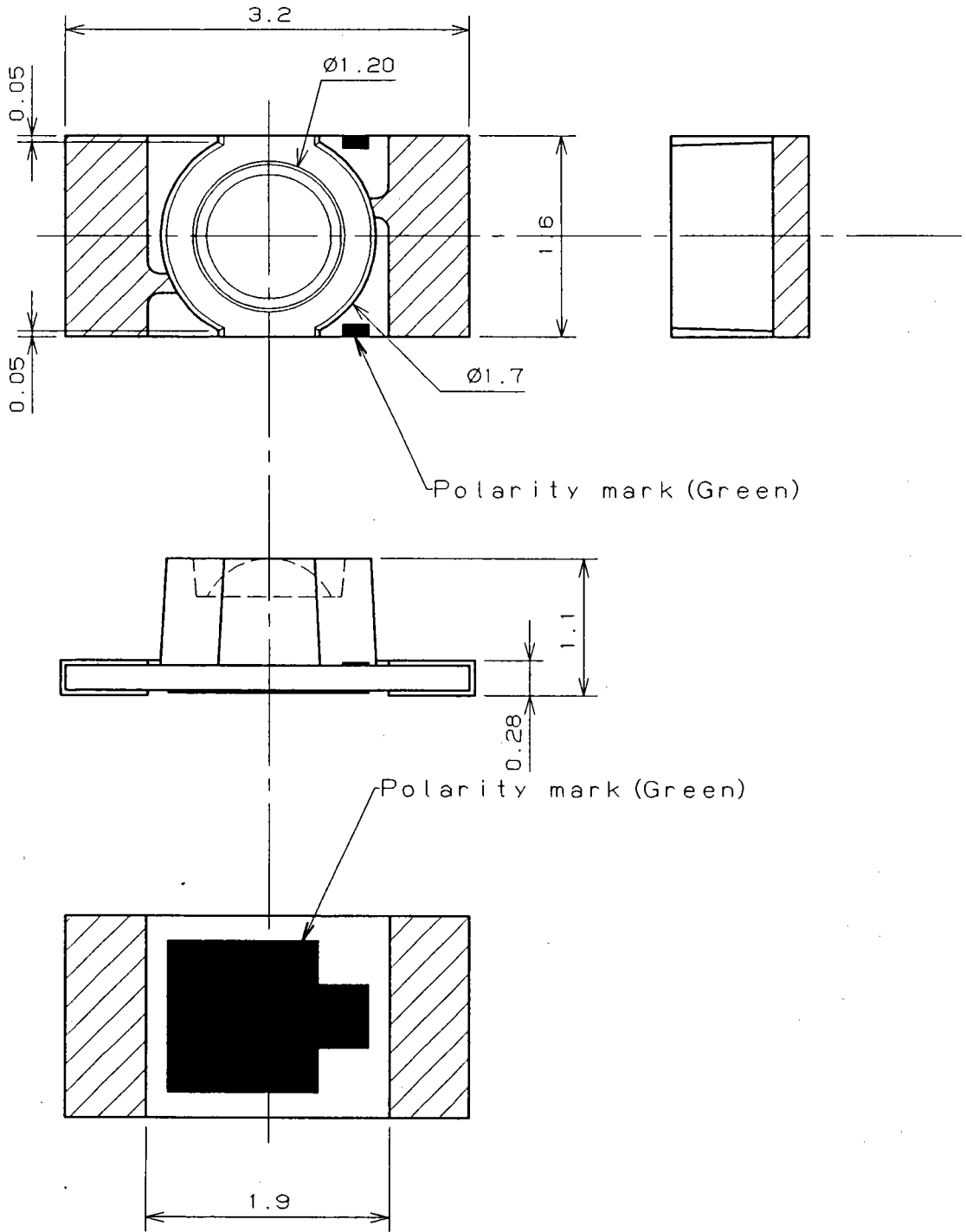



Directive Characteristics



Jan. 31. 2000			

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION (OUTLINE) P/N: LNJ416Q8YRU		
<i>T. Akeda</i>	<i>m. hi</i>	<i>T. Taketa</i>			



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

Jan. 31. 2000			