

**1. Material**            Substrate        GaAs (N Type)  
                              Epitaxial Layer   GaAlAs (P/N Type)

**2. Electrode**        N(Cathode) Side Gold Alloy  
                              P(Anode) Side Gold Alloy

**3. Electro-Optical Characteristics**

Parameter	Symbol	Min	Typ	Max	Unit	Condition
Forward Voltage	$V_F$		1.4	1.5	V	IF=100mA
Reverse Voltage	$V_R$	8			V	IR=10uA
Power	$P_O$	25	30		mW	IF=100mA
Wavelength	$\lambda_P$		940		nm	IF=20mA
	$\Delta\lambda$		45		nm	IF=20mA

※ Note : Power is measured by Sorter E/T system with bare chip.

**4. Mechanical Data**

(a) Emission Area	-----	16.5mil x	16.5mil
(b) Bottom Area	-----	17.5mil x	17.5mil
(c) Bonding Pad	-----	110um	
(d) Chip Thickness	-----	11mil	
(e) Junction Height	-----	7.6mil	

