

Epi - Wafer

Blue LED



Feature	Blue LED Epi. Wafer
	Single side polished (Growth surface)
Diameter	2" (50.8mm)
Thickness (Included substrate)	430 μ m $\pm$ 15 μ m
Structure	p-GaN / MQWs / n-GaN / u-GaN / Sapphire substrate



GaN on Sapphire Wafer

Characteristics (at 25°C)

Parameter		Typ.	Test Conditions
PL measurement	Peak wavelength	450nm $\pm$ 20nm	Etamax PLATO Laser : 266nm
	Uniformity STD	<3%	
	FWHM	<40nm	
	FWHM STD	<20%	
Thickness	Thickness	~4.8 μ m (+/-10% std)	
	Thickness STD	<10%	
XRD	(002)	N/A	Panalytical HRXRD
	(102)	N/A	
Hall	Carrier Concentration	N/A	Accent HL5500
	Mobility	N/A	
Doping material	Si	used	-
	Mg	used	

Normalized Single Spectrum(300 ~ 700nm)

