m $\times \mu m$ surface–index1Measurement of surface roughnessE_g estimatedFull-Width at Half-Maximum of PL($\Delta a/a < \pm 0.1\%$–index2<0.3 $nm \approx 3.9$ μm at 80 K< 25 meVm $\times \mu m$ surface–index1($\Delta a/a < \pm 0.1\%$–index2

	Description	Average Width
HRXRD AFM PL FWHM	Typical 10 $\mu m \times \mu m$ surface–index1	$(\Delta a/a) < \pm 0.1\%$–index2