



瑞而美 **work steadily**

蘇州瑞而美光電科技有限公司
Suzhou Realmay Lightings Tech Co., Ltd

Specification of 2" Sapphire Substrate

Description	Specification
Material	High Purity and Monocrystalline Al ₂ O ₃
Wafer Orientation	C-Plane off Angle 0.2 °±0.1 °to M axis C-plane off Angle 0.0 °±0.1 °to A axis
Primary Flat Orientation	A-Plane ±0.2 °
Primary Flat Length	16±1mm
Secondary Flat	N/A
Diameter	50.8±0.1mm
Thickness	430±15um
Front Surface Roughness	Ra</=0.2nm
Back Surface Roughness	Ra</=0.8~1.2um
Substrate Parallelism	</=10um
TTV	</=5um
LTV	<2.0um
BOW	-5~0um
Warp	</=10um
Scratch	None
Defective Patterns	Total defective area </=5% of wafer area; Inspection by naked eye added without bright light
Laser Marking	Back surface marked with clear laser number
Packaging	Clean room, vacuum packing

Suzhou Realmay Lightings Tech Co., Ltd.

Address: 6 Building 101 room, Huangyangdun Xitang Street, Suzhou City, Jiangsu, P.R.China

Tel : 0086-512-62721053

Fax : 0086-512-62721063

Email: realmay_tech@126.com



瑞而美 **work steadily**

蘇州瑞而美光電科技有限公司

Suzhou Realmay Lightings Tech Co., Ltd

Specification of 4" Sapphire Substrate

Description	Specification
Material	High Purity and Monocrystalline Al ₂ O ₃
Wafer Orientation	C-Plane off Angle 0.2 °±0.1 °to M axis C-plane off Angle 0.0 °±0.1 °to A axis
Primary Flat Orientation	A-Plane ±0.2 °
Primary Flat Length	30±1mm
Secondary Flat	N/A
Diameter	100±0.1mm
Thickness	650±25um
Front Surface Roughness	Ra</=0.2nm
Back Surface Roughness	Ra</=0.8~1.2um
Substrate Parallelism	</=10um
TTV	</=10um
LTV	<2.0um
BOW	-10~0um
Warp	</=15um
Scratch	None
Defective Patterns	Total defective area </=5% of wafer area; Inspection by naked eye added without bright light
Laser Marking	Back surface marked with clear laser number
Packaging	Clean room, vacuum packing

Suzhou Realmay Lightings Tech Co., Ltd.

Address: 6 Building 101 room, Huangyangdun Xitang Street, Suzhou City, Jiangsu, P.R.China

Tel : 0086-512-62721053

Fax : 0086-512-62721063

Email: realmay_tech@126.com