

		26nm	34nm	65nm
Crystal growth method	---	CZ(MCZ)	CZ(MCZ)	CZ(MCZ)
Cristal Orientation	digree	<100>0±2°	<100>0±2°	<100>0±2°
Type(Dopant)	---	P(B)	P(B)	P(B)
Res	Ω cm	1-100Ω	1-100Ω	1-100Ω
Oxygen	E18atoms/cc	N/A	N/A	N/A
Carbon	E17atoms/cc	N/A	N/A	N/A
Diameter	mm	300±0.2mm	300±0.2mm	300±0.2mm
Notch	digree	<011>0±2°	<011>0±2°	<011>0±2°
Thickness	um	775±25 μ m	775±25 μ m	775±25 μ m
GBIR	um	≤3 μ m	≤3 μ m	≤3 μ m
Site Flatness	um %	N/A	N/A	N/A
Site Size	mm	N/A	N/A	N/A
Partial Sites	---	N/A	N/A	N/A
Site offset	mm	N/A	N/A	N/A
WARP	um	≤50 μ m	≤50 μ m	≤50 μ m
BOW	um	N/A	N/A	N/A
Surface condition	---	MP/MP	MP/MP	MP/MP
LPD1	pcs/W	≥0.026 μ m ≤50pcs	≥0.034 μ m ≤50pcs	≥0.065 μ m ≤50pcs
LPD2	pcs/W	-	≥0.065 μ m ≤30pcs	-
LPD3	pcs/W	-	-	-
particle inspection mode	---	DCO	DCO	DCO
Visual Standard	---	SEMI	SEMI	SEMI
contamination	atoms/cm ²	Na,Al,Ca,Cr,Fe,Ni,Cu, Zn,K≤1E10	Na,Al,Ca,Cr,Fe,Ni,Cu, Zn,K≤1E10	Na,Al,Ca,Cr,Fe,Ni,Cu, Zn,K≤1E10
Lazer Mark	---	backside	backside	cbackside
LM	---	SEMI standard	SEMI standard	SEMI standard
LM	---	OCR+T7	OCR+T7	OCR+T7
CASE	---	Miraial or Shinetsu, AutoFOSB	Miraial or Shinetsu, AutoFOSB	Miraial or Shinetsu, AutoFOSB
package	---	double bags(PE+Al)	double bags(PE+Al)	double bags(PE+Al)