

## FZ Single Crystal Silicon Ingot (2)

Diameter (mm)	$\Phi 50.8 \sim \Phi 125$ $< \Phi 50.8$ upon special request $> \Phi 125$ upon special request				
Type	Orientation	Resistivity Range $\Omega \cdot \text{cm}$	Tolerance (min)  %	RV( max)  %	Lifetime (min.)  $\mu \text{s}$
N N	<111> <111>	1~100 100~1000	$\pm 18$ $\pm 20$	30 30	200 1000
N N	<100> <100>	1~100 100~1000	$\pm 15$ $\pm 20$	15 17	200 1000
P P	<111> <111>	1~100 100~1000	$\pm 20/12$ $\pm 25/15$	12 15	100 200
P P	<100> <100>	1~100 100~1000	$\pm 20/12$ $\pm 25/12$	12 15	100 200