SURFACE ROUGHNESS REFERENCE SPECIMENS

MEASURING ACCURACY OF ROUGHNESS TESTERS CAN BE IMPROVED, IF THE CALIBRATION IS MADE ON A REFERENCE SPECIMEN WITH THE ROUGHNESS VALUE CLOSE TO THE WORKPIECE TO BE MEASURED

- To calibrate roughness testers
- Made of glass

ISR-LS603

Code	Shape*	Roughness (Ra)	Deviation**	Uniformity
ISR-LS601	square wave	0.1µm	-20%~+10%	3%
ISR-LS602	square wave	0.2µm	±10%	3%
ISR-LS603	square wave	0.4µm	±10%	3%
ISR-LS604	square wave	0.8µm	±10%	3%
ISR-LS605	square wave	1.6µm	±10%	3%
ISR-LS606	square wave	3.2µm	±10%	2%
ISR-LS607	square wave	6.4µm	±10%	2%
ISR-LS601S	simulated sine wave	0.1µm	-20%~+10%	3%
ISR-LS602S	simulated sine wave	0.2µm	±10%	3%
ISR-LS603S	simulated sine wave	0.4µm	±10%	3%
ISR-LS604S	simulated sine wave	0.8µm	±10%	3%
ISR-LS605S	simulated sine wave	1.6µm	±10%	3%
ISR-LS606S	simulated sine wave	3.2µm	±10%	2%
ISR-LS607S	simulated sine wave	6.4µm	±10%	2%

*Surface roughness reference specimens with simulated sine wave can be labeled with Rz parameter (customized)
**Deviation between the actual value when supply and the nominal value