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High Temperature Resistant Reflowable Lens

Reflowable Lens

High Temperature Resistant Reflowable Lens, "MSG," Multi-Complex Super Glass Lens

Equipment & Device



Lens

High Temperature Resistant Reflowable Lenses

Infrared Lens Processing

	Optical Performance	Productivity	Cost	Heat Resistance	Compactness	Capital Investment
Plastic lenses	△	◎	◎	○	○	△
Molded glass lenses	◎	×	×	◎	△	×
MSG lenses	◎	○	○	◎	◎	○

X-ray CT scanners

Search by field of application
Optical communication

Search by operative issues and solutions

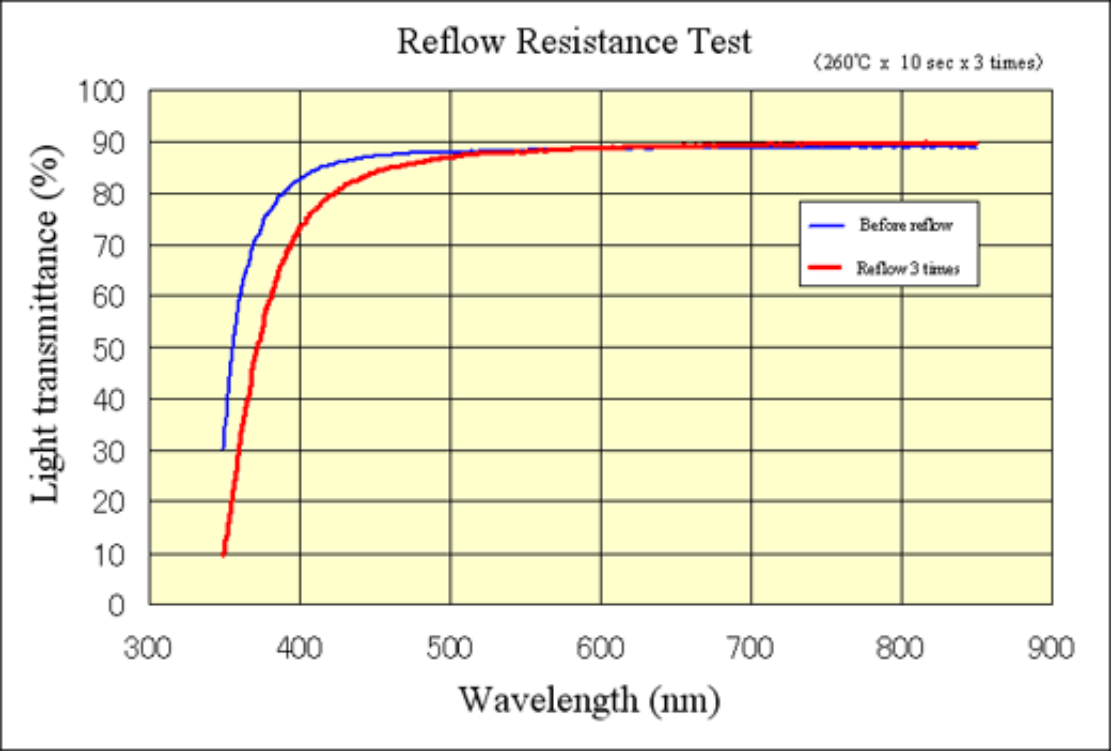
- Heat-resistant resin applied on round-shape flat glass plate
- Single glass disk based hybrid structure



◆Cross-section of MSG Reflowable Lens ◆Top surface of MSG Reflowable Lens

Reflow Resistance Test

Post-High-Temperature Test Light Transmittance Data



Lineup for Reflowable Lens

Reflowable	S15Si2	T14Si1	X14Si1
Spec/Sensor Size	VGA 1/10"	VGA 1/10"	VGA 1/13"
Lens Structure	2 Group 6 Element	1 Group 3 Element	1 Group 2 Element
F-number	2.8	3.0	2.9
Field Angle(Sensor Horizontal)	52°	52°	55°
Optical Length	1.95mm (Including CG=t0.35mm)	2.4mm (Including CG=t0.30mm)	2.6mm (Including CG=t0.50mm)

	φ10.0mm	φ12.0mm	φ16.0mm
TV Distortion	<2.5%	<2.5%	<3.0%
Screw Size	M3.5×P0.2	M3.5×P0.2	M3.5×P0.2
Application example	Mobile phone	Mobile phone	Mobile phone

Inquiry by telephone: +81-47-388-7117 (Lens products - Sales manager) Mon~Fri 8 : 30~17 : 30



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