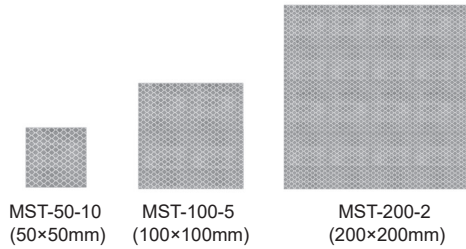
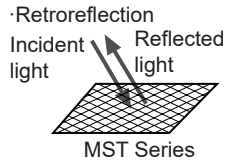
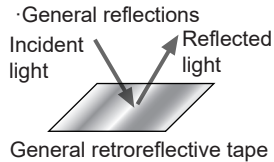


MST Series

MST (Retroreflective Tape)

■ Features

- Easy attached at curved surface or narrow space
- Available to cut the tape according to the environment
- High retroreflective performance per unit
- ※Retroreflection: Reflected light reflects as same direction of incident light unlike general reflections.



■ Specifications

Model	MST-50-10	MST-100-5	MST-200-2
Applied sensor	Retroreflective type: BM1M-MDT, BMS2M-MDT-□, BR3M-MDT-□□, BEN5M-MDT, BEN5M-MFR, BX5M-MDT, BX5M-MDT-T, BX5M-MFR, BX5M-MFR-T, BTS200-MDT□□ Retroreflective type (built-in polarizing filter): BJ3M-PDT-□□□, BEN3M-PDT, BEN3M-PFR, BX3M-PDT-□, BX3M-PFR-□, BH4M-PDT, BJR3M-PDT-□□□□, BRQ□□3M-PDT□□□□, BJX3M-PDT-□□□		
Size	50×50mm	100×100mm	200×200mm
Material	Surface film: polymethyl methacrylate, prism layer: polycarbonate, adhesive layer: acrylic		
Environment	Ambient temperature -35 to 65°C (available temperature: 10 to 30°C)		
Packaging (per unit)	10	5	2

■ Reflectivity by Reflective Tape Model

○ Standard type

Model	BM1M-MDT	BMS2M-MDT-□	BR3M-MDT-□□	BEN5M-MDT	BX5M-MDT-□	BTS200-MDT□□
MST-50-10	70%	90%	80%	90%	90%	95%
MST-100-5	110%	120%	120%	130%	100%	100%
MST-200-2	170%	190%	140%	140%	110%	100%

○ Retroreflective type (built-in polarizing filter)

Model	BJ3M-PDT-□□□	BEN3M-PDT	BX3M-PDT-□	BH4M-PDT	BJR3M-PDT-□□□□
MST-50-10	40%	70%	30%	60%	35%
MST-100-5	60%	90%	40%	80%	45%
MST-200-2	100%	120%	60%	140%	55%

Model	BRQ□□3M-PDTA-□□□	BRQP3M-PDTB-□□□	BRQPS3M-PDTA-□□□	BJX3M-PDT-□□□
MST-50-10	40%	40%	25%	35%
MST-100-5	50%	80%	30%	45%
MST-200-2	80%	85%	35%	55%

※The reflective tape has higher reflectivity due to bigger size than the reflector.

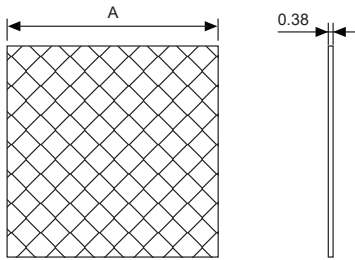
※Reflectivity may vary depending on usage environment, installation conditions, and reflective tape size.

※Generally, the sensing distance and minimum sensing target size increase as tape size increases.

※For using reflective tape, installation distance should be min. 20mm.

Retroreflective Tape

■ Dimensions

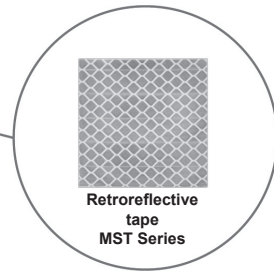
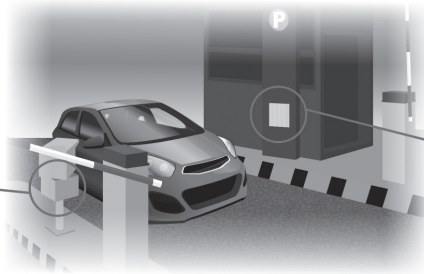


(unit: mm)

Model	A
MST-50-10	□50
MST-100-5	□100
MST-200-2	□200

※There may be a ± 0.02 mm error in thickness dimension.

■ Applications



■ Proper Usage

- Please clean the adhesive side of the reflective tape with a dry cloth before applying the tape.
- Do not press prism layer of the tape.
- Please clean the tape regularly to maintain optimal performance.
When cleaning, please use neutral detergents only. DO NOT use chemical solvents.
- If the reflective surface is damaged, performance may decline.

SENSORS

CONTROLLERS

MOTION DEVICES

SOFTWARE

(A) Photoelectric Sensors

(B) Fiber Optic Sensors

(C) LiDAR

(D) Door/Area Sensors

(E) Vision Sensors

(F) Proximity Sensors

(G) Pressure Sensors

(H) Rotary Encoders

(I) Connectors/
Connector Cables/
Sensor Distribution
Boxes/ Sockets