

LASER S.O.S. GROUP

TECHNOLOGY AND MARKET DRIVEN COMPANY!

# LASER MIRRORS

Issue 1.



Intelligent Solutions, Manufacturing & Development



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## LASER S.O.S. GROUP

TECHNOLOGY AND MARKET DRIVEN COMPANY!

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# LASER MIRRORS

For All Solid State Laser Systems



All solid state lasers require mirrors for maintaining laser beam amplification. Most resonators consist of a high reflective mirror (rear mirror) and a partial transmissive front mirror (output coupler).

The rear mirrors are designed to reflect the maximum laser beam power back through the laser rod medium to the output coupler (front mirror) where a pre-determined percentage of laser beam is transmitted through the mirror to the target and balance of the beam reflects back through the laser medium for continuous amplification.

Mirror substrates are typically produced from BK7 for low power lasers and fused silica for high power CW and pulsed lasers. Depending on the laser application, laser mirrors can be fabricated with a multitude of configurations; Convex, Concave, Flat, Wedged or mixture of both. A/R coatings are selected for both the laser wavelength and for the maximum damage threshold depending on laser power.

| Item P/N                   | Description  | Diameter<br>φ, mm | Thickness<br>t, mm | Reflec-<br>tivity | Wavelength,<br>nm | Type  | OEM P/N   |
|----------------------------|--------------|-------------------|--------------------|-------------------|-------------------|-------|-----------|
| <b>AB LASER INC.</b>       |              |                   |                    |                   |                   |       |           |
| MR3M35RHC                  | Front Mirror | 19.05             | 9.525              | 35%               | 1064              | F/F   | 50010-014 |
| MR3M70RHC                  | Front Mirror | 19.05             | 9.525              | 70%               | 1064              | F/F   |           |
| MR3M80RHC                  | Front Mirror | 19.05             | 9.525              | 80%               | 1064              | F/F   |           |
| MR3M80C75HC                | Front Mirror | 19.05             | 9.525              | 80%               | 1064              | -1MCC |           |
| MR3M90RHC                  | Front Mirror | 19.05             | 9.525              | 90%               | 1064              | F/F   |           |
| MR3M90C75H                 | Front Mirror | 19.05             | 9.525              | 90%               | 1064              | -1MCC |           |
| MR3M95RHC                  | Front Mirror | 19.05             | 9.525              | 95%               | 1064              | F/F   |           |
| MR3M100RHC                 | Rear Mirror  | 19.05             | 9.525              | HR                | 1064              | F/F   |           |
| MR3M100R1MCCHC             | Rear Mirror  | 19.05             | 9.525              | HR                | 1064              | -1MCC |           |
| MR3M100R5MCCHC             | Rear Mirror  | 19.05             | 9.525              | HR                | 1064              | -5MCC | 50020-007 |
| <b>ADVANCED LASER</b>      |              |                   |                    |                   |                   |       |           |
| MR3M90RHC                  | Front Mirror | 19.05             | 9.525              | 90%               | 1064              | F/F   |           |
| MR3M100RHC                 | Rear Mirror  | 19.05             | 9.525              | HR                | 1064              | F/F   |           |
| <b>ALLTEC</b>              |              |                   |                    |                   |                   |       |           |
| MR3M75RHC                  | Front Mirror | 19.05             | 9.525              | 75%               | 1064              | F/F   |           |
| MR3M100RHC                 | Rear Mirror  | 19.05             | 9.525              | HR                | 1064              | F/F   |           |
| <b>ALPHA LASER</b>         |              |                   |                    |                   |                   |       |           |
| MR17M35RHC                 | Front Mirror | 16                | 4                  | 35%               | 1064              | F/F   |           |
| MR17M100RHC                | Rear Mirror  | 16                | 4                  | HR                | 1064              | F/F   |           |
| <b>AUREL AUTOMATION</b>    |              |                   |                    |                   |                   |       |           |
| MR3M90RHC                  | Front Mirror | 19.05             | 9.525              | 90%               | 1064              | F/F   |           |
| MR3M100RHC                 | Rear Mirror  | 19.05             | 9.525              | HR                | 1064              | F/F   |           |
| MR3M100R1MCCHC             | Rear Mirror  | 19.05             | 9.525              | HR                | 1064              | -1MCC |           |
| <b>BAASEL LASERTECHNIK</b> |              |                   |                    |                   |                   |       |           |
| MR3M35RHC                  | Front Mirror | 19.05             | 9.525              | 35%               | 1064              | F/F   |           |
| MR3M70RHC                  | Front Mirror | 19.05             | 9.525              | 70%               | 1064              | F/F   |           |
| MR3M80RHC                  | Front Mirror | 19.05             | 9.525              | 80%               | 1064              | F/F   |           |
| MR3M80C75HC                | Front Mirror | 19.05             | 9.525              | 80%               | 1064              | -1MCC |           |
| MR3M90RHC                  | Front Mirror | 19.05             | 9.525              | 90%               | 1064              | F/F   |           |
| MR3M90C75H                 | Front Mirror | 19.05             | 9.525              | 90%               | 1064              | -1MCC |           |
| MR3M95RHC                  | Front Mirror | 19.05             | 9.525              | 95%               | 1064              | F/F   |           |

| Item P/N       | Description | Diameter<br>d, mm | Thickness<br>t, mm | Reflec-<br>tivity | Wavelength,<br>nm | Type  | OEM P/N |
|----------------|-------------|-------------------|--------------------|-------------------|-------------------|-------|---------|
| MR3M100RHC     | Rear Mirror | 19.05             | 9.525              | HR                | 1064              | F/F   |         |
| MR3M100R1MCCHC | Rear Mirror | 19.05             | 9.525              | HR                | 1064              | -1MCC |         |
| MR3M100R5MCCHC | Rear Mirror | 19.05             | 9.525              | HR                | 1064              | -5MCC |         |

### BAUBLYS CONTROL LASER

|              |              |      |      |     |      |        |  |
|--------------|--------------|------|------|-----|------|--------|--|
| MR4M88RHC    | Front Mirror | 25.4 | 6.35 | 88% | 1064 | F/F    |  |
| MR4M100RHC10 | Rear Mirror  | 25.4 | 6.35 | HR  | 1064 | -10MCC |  |
| MR4M100RHC   | Rear Mirror  | 25.4 | 6.35 | HR  | 1064 | F/F    |  |

### BENTZY LASER SERVICES

|            |              |       |       |     |      |     |  |
|------------|--------------|-------|-------|-----|------|-----|--|
| MR3M80RHC  | Front Mirror | 19.05 | 9.525 | 80% | 1064 | F/F |  |
| MR3M100RHC | Rear Mirror  | 19.05 | 9.525 | HR  | 1064 | F/F |  |

### B.O.C. LASER

|            |              |      |      |     |      |     |  |
|------------|--------------|------|------|-----|------|-----|--|
| MR2M35RHC  | Front Mirror | 12.7 | 6.35 | 35% | 1064 | F/F |  |
| MR2M70RHC  | Front Mirror | 12.7 | 6.35 | 70% | 1064 | F/F |  |
| MR2M100RHC | Rear Mirror  | 12.7 | 6.35 | HR  | 1064 | F/F |  |

### CHICAGO LASER SYSTEMS INC

|            |              |       |       |     |      |     |  |
|------------|--------------|-------|-------|-----|------|-----|--|
| MR3M90RHC  | Front Mirror | 19.05 | 9.525 | 90% | 1064 | F/F |  |
| MR3M100RHC | Rear Mirror  | 19.05 | 9.525 | HR  | 1064 | F/F |  |

### CLEAN LASER

|            |              |       |       |     |      |     |  |
|------------|--------------|-------|-------|-----|------|-----|--|
| MR3M90RHC  | Front Mirror | 19.05 | 9.525 | 90% | 1064 | F/F |  |
| MR3M100RHC | Rear Mirror  | 19.05 | 9.525 | HR  | 1064 | F/F |  |

### CONTROL LASER CORP

|            |              |       |       |     |      |     |  |
|------------|--------------|-------|-------|-----|------|-----|--|
| MR3M35RHC  | Front Mirror | 19.05 | 9.525 | 35% | 1064 | F/F |  |
| MR3M70RHC  | Front Mirror | 19.05 | 9.525 | 70% | 1064 | F/F |  |
| MR3M80RHC  | Front Mirror | 19.05 | 9.525 | 80% | 1064 | F/F |  |
| MR3M90RHC  | Front Mirror | 19.05 | 9.525 | 90% | 1064 | F/F |  |
| MR3M100RHC | Rear Mirror  | 19.05 | 9.525 | HR  | 1064 | F/F |  |
| MR8M90RHC  | Front Mirror | 12.7  | 3.175 | 90% | 1064 | F/F |  |
| MR8M100RHC | Rear Mirror  | 12.7  | 3.175 | HR  | 1064 | F/F |  |

### DEK PRINTERS

|              |              |      |      |     |      |        |  |
|--------------|--------------|------|------|-----|------|--------|--|
| MR4M88RHC    | Front Mirror | 25.4 | 6.35 | 88% | 1064 | F/F    |  |
| MR4M100RHC10 | Rear Mirror  | 25.4 | 6.35 | HR  | 1064 | -10MCC |  |
| MR4M100RHC   | Rear Mirror  | 25.4 | 6.35 | HR  | 1064 | F/F    |  |

| Item P/N                    | Description  | Diameter<br>, mm | Thickness<br>t, mm | Reflec-<br>tivity | Wavelength,<br>nm | Type   | OEM P/N |
|-----------------------------|--------------|------------------|--------------------|-------------------|-------------------|--------|---------|
| <b>ELECTROX</b>             |              |                  |                    |                   |                   |        |         |
| MR3M80RHC                   | Front Mirror | 19.05            | 9.525              | 80%               | 1064              | F/F    |         |
| MR3M90RHC                   | Front Mirror | 19.05            | 9.525              | 90%               | 1064              | F/F    |         |
| MR3M100RHC                  | Rear Mirror  | 19.05            | 9.525              | HR                | 1064              | F/F    |         |
| <b>E.S.I.</b>               |              |                  |                    |                   |                   |        |         |
| MR3M80RHC                   | Front Mirror | 19.05            | 9.525              | 80%               | 1064              | F/F    |         |
| MR3M80C75HC                 | Front Mirror | 19.05            | 9.525              | 80%               | 1064              | -1MCC  |         |
| MR3M100RHC                  | Rear Mirror  | 19.05            | 9.525              | HR                | 1064              | F/F    |         |
| MR3M100R2MCXHC              | Rear Mirror  | 19.05            | 9.525              | HR                | 1064              | +2MCX  |         |
| <b>FOBA TECHNOLOGY</b>      |              |                  |                    |                   |                   |        |         |
| MR3M75RHC                   | Front Mirror | 19.05            | 9.525              | 75%               | 1064              | F/F    |         |
| MR3M100RHC                  | Rear Mirror  | 19.05            | 9.525              | HR                | 1064              | F/F    |         |
| <b>FOTONA</b>               |              |                  |                    |                   |                   |        |         |
| MR4M88RHC                   | Front Mirror | 25.4             | 6.35               | 88%               | 1064              | F/F    |         |
| MR4M100RHCH                 | Rear Mirror  | 25.4             | 6.35               | HR                | 1064              | -10MCC |         |
| MR4M100RHC                  | Rear Mirror  | 25.4             | 6.35               | HR                | 1064              | F/F    |         |
| <b>GENERAL SCANNING INC</b> |              |                  |                    |                   |                   |        |         |
| MR3M80RHC                   | Front Mirror | 19.05            | 9.525              | 80%               | 1064              | F/F    |         |
| MR3M90RHC                   | Front Mirror | 19.05            | 9.525              | 90%               | 1064              | F/F    |         |
| MR3M100RHC                  | Rear Mirror  | 19.05            | 9.525              | HR                | 1064              | F/F    |         |
| <b>GRETAG LASER</b>         |              |                  |                    |                   |                   |        |         |
| MR4M88RHC                   | Front Mirror | 25.4             | 6.35               | 88%               | 1064              | F/F    |         |
| MR4M100RHC10                | Rear Mirror  | 25.4             | 6.35               | HR                | 1064              | -10MCC |         |
| MR4M100RHC                  | Rear Mirror  | 25.4             | 6.35               | HR                | 1064              | F/F    |         |
| <b>HASS LASER</b>           |              |                  |                    |                   |                   |        |         |
| MR4M88RHC                   | Front Mirror | 25.4             | 6.35               | 88%               | 1064              | F/F    |         |
| MR4M100RHC10                | Rear Mirror  | 25.4             | 6.35               | HR                | 1064              | -10MCC |         |
| MR4M100RHC                  | Rear Mirror  | 25.4             | 6.35               | HR                | 1064              | F/F    |         |

| Item P/N                        | Description  | Diameter<br>φ, mm | Thickness<br>t, mm | Reflec-<br>tivity | Wavelength,<br>nm | Type   | OEM P/N   |
|---------------------------------|--------------|-------------------|--------------------|-------------------|-------------------|--------|-----------|
| <b>HAHN &amp; KOLB</b>          |              |                   |                    |                   |                   |        |           |
| MR4M88RHC                       | Front Mirror | 25.4              | 6.35               | 88%               | 1064              | F/F    |           |
| MR4M100RHC10                    | Rear Mirror  | 25.4              | 6.35               | HR                | 1064              | -10MCC |           |
| MR4M100RHC                      | Rear Mirror  | 25.4              | 6.35               | HR                | 1064              | F/F    |           |
| <b>HOLOBEAM INC</b>             |              |                   |                    |                   |                   |        |           |
| MR3M80RHC                       | Front Mirror | 19.05             | 9.525              | 80%               | 1064              | F/F    |           |
| MR3M90RHC                       | Front Mirror | 19.05             | 9.525              | 90%               | 1064              | F/F    |           |
| MR3M100RHC                      | Rear Mirror  | 19.05             | 9.525              | HR                | 1064              | F/F    |           |
| <b>IMPAQ LASER TECHNOLOGIES</b> |              |                   |                    |                   |                   |        |           |
| MR3M90RHC                       | Front Mirror | 19.05             | 9.525              | 90%               | 1064              | F/F    |           |
| MR3M100RHC                      | Rear Mirror  | 19.05             | 9.525              | HR                | 1064              | F/F    |           |
| <b>INNOLAS</b>                  |              |                   |                    |                   |                   |        |           |
| MR4M88RHC                       | Front Mirror | 25.4              | 6.35               | 88%               | 1064              | F/F    |           |
| MR4M100RHC10                    | Rear Mirror  | 25.4              | 6.35               | HR                | 1064              | -10MCC |           |
| MR4M100RHC                      | Rear Mirror  | 25.4              | 6.35               | HR                | 1064              | F/F    |           |
| <b>ISKRA</b>                    |              |                   |                    |                   |                   |        |           |
| MR4M88RHC                       | Front Mirror | 25.4              | 6.35               | 88%               | 1064              | F/F    |           |
| MR4M100RHC10                    | Rear Mirror  | 25.4              | 6.35               | HR                | 1064              | -10MCC |           |
| MR4M100RHC                      | Rear Mirror  | 25.4              | 6.35               | HR                | 1064              | F/F    |           |
| <b>JEC LASER</b>                |              |                   |                    |                   |                   |        |           |
| MR3M80RHC                       | Front Mirror | 19.05             | 9.525              | 80%               | 1064              | F/F    |           |
| MR3M90RHC                       | Front Mirror | 19.05             | 9.525              | 90%               | 1064              | F/F    |           |
| MR3M100RHC                      | Rear Mirror  | 19.05             | 9.525              | HR                | 1064              | F/F    |           |
| <b>JK LASER</b>                 |              |                   |                    |                   |                   |        |           |
| MR13M100RHC                     | Rear Mirror  | 19.05             | 6.35               | HR                | 1064              | F/F    | I2220020A |
| MR4M30RHC                       | Front Mirror | 25.4              | 6.35               | 30%               | 1064              | F/F    | I2220090A |
| MR4M60RHC                       | Front Mirror | 25.4              | 6.35               | 60%               | 1064              | F/F    | I2220110A |
| MR4M100R5MCCHC                  | Rear Mirror  | 25.4              | 6.35               | HR                | 1064              | -5MCC  | I2220040A |
| MR4M100RHC                      | Rear Mirror  | 25.4              | 6.35               | HR                | 1064              | F/F    | I2220060A |
| <b>LASAG</b>                    |              |                   |                    |                   |                   |        |           |
| MR10M0007RHC                    | Front Mirror | 30                | 10                 | 60%               | 1064              | F/F    | 44.0007   |
| MR10M0076RHC                    | Front Mirror | 30                | 10                 | 65%               | 1064              | F/F    | 44.0076   |
| MR10M0632RHC                    | Front Mirror | 30                | 10                 | 90%               | 1064              | F/F    | 44.0632   |
| MR10M0026RHC                    | Rear Mirror  | 30                | 10                 | HR                | 1064              | F/F    | 44.0026   |

| Item P/N     | Description | Diameter<br>φ, mm | Thickness<br>t, mm | Reflec-<br>tivity | Wavelength,<br>nm | Type | OEM P/N |
|--------------|-------------|-------------------|--------------------|-------------------|-------------------|------|---------|
| MR10M0008RHC | Rear Mirror | 30                | 10                 | HR                | 1064              | F/F  | 44.0008 |
| MR10M0059RHC | Rear Mirror | 30                | 10                 | HR                | 1064              | F/F  | 44.0059 |

## LASER APPLICATIONS / LASERMETRICS

|            |              |       |       |     |      |     |  |
|------------|--------------|-------|-------|-----|------|-----|--|
| MR3M80RHC  | Front Mirror | 19.05 | 9.525 | 80% | 1064 | F/F |  |
| MR3M90RHC  | Front Mirror | 19.05 | 9.525 | 90% | 1064 | F/F |  |
| MR3M100RHC | Rear Mirror  | 19.05 | 9.525 | HR  | 1064 | F/F |  |

## LASER IDENTIFICATION SYSTEMS

|               |              |      |      |     |      |         |  |
|---------------|--------------|------|------|-----|------|---------|--|
| MR2M80RHC     | Front Mirror | 12.7 | 6.35 | 80% | 1064 | F/F     |  |
| MR2M100RX70HC | Rear Mirror  | 12.7 | 6.35 | HR  | 1064 | +70CMCX |  |

## LASER OPTRONICS

|               |              |      |       |     |      |       |                      |
|---------------|--------------|------|-------|-----|------|-------|----------------------|
| MR1M88RHC     | Front Mirror | 25.4 | 9.525 | 88% | 1064 | F/F   | 60-24-518,<br>738020 |
| MR1M100CC1MHC | Rear Mirror  | 25.4 | 9.525 | HR  | 1064 | -1MCC | 60-24-519,<br>738021 |
| MR1M80RHC     | Front Mirror | 25.4 | 9.525 | 80% | 1064 | F/F   | 60-24-550,<br>738019 |
| MR1M100CC2MHC | Rear Mirror  | 25.4 | 9.525 | HR  | 1064 | -1MCC | 60-24-551,<br>738053 |

## LASIT

|            |              |       |       |     |      |     |  |
|------------|--------------|-------|-------|-----|------|-----|--|
| MR3M80RHC  | Front Mirror | 19.05 | 9.525 | 80% | 1064 | F/F |  |
| MR3M90RHC  | Front Mirror | 19.05 | 9.525 | 90% | 1064 | F/F |  |
| MR3M100RHC | Rear Mirror  | 19.05 | 9.525 | HR  | 1064 | F/F |  |

## LASITRON

|            |              |      |      |     |      |     |  |
|------------|--------------|------|------|-----|------|-----|--|
| MR4M88RHC  | Front Mirror | 25.4 | 6.35 | 88% | 1064 | F/F |  |
| MR4M100RHC | Rear Mirror  | 25.4 | 6.35 | HR  | 1064 | F/F |  |

## LASERVALL

|                |              |      |      |     |      |       |  |
|----------------|--------------|------|------|-----|------|-------|--|
| MR4M50RHC      | Front Mirror | 25.4 | 6.35 | 50% | 1064 | F/F   |  |
| MR4M100R5MCCHC | Rear Mirror  | 25.4 | 6.35 | HR  | 1064 | -5MCC |  |

## LEE LASER

|           |              |       |       |     |      |     |  |
|-----------|--------------|-------|-------|-----|------|-----|--|
| MR3M70RHC | Front Mirror | 19.05 | 9.525 | 70% | 1064 | F/F |  |
| MR3M80RHC | Front Mirror | 19.05 | 9.525 | 80% | 1064 | F/F |  |

| Item P/N    | Description  | Diameter<br>φ, mm | Thickness<br>t, mm | Reflec-<br>tivity | Wavelength,<br>nm | Type  | OEM P/N   |
|-------------|--------------|-------------------|--------------------|-------------------|-------------------|-------|-----------|
| MR3M90RHC   | Front Mirror | 19.05             | 9.525              | 90%               | 1064              | F/F   | I2000008  |
| MR3M90C75HC | Front Mirror | 19.05             | 9.525              | 90%               | 1064              | -1MCC | I20000024 |
| MR3M100RHC  | Rear Mirror  | 19.05             | 9.525              | HR                | 1064              | F/F   | I2000007  |

### LPKF

|                |              |       |       |     |      |       |  |
|----------------|--------------|-------|-------|-----|------|-------|--|
| MR3M35RHC      | Front Mirror | 19.05 | 9.525 | 35% | 1064 | F/F   |  |
| MR3M100R5MCCHC | Rear Mirror  | 19.05 | 9.525 | HR  | 1064 | -5MCC |  |

### LS LASER SYSTEMS

|            |              |      |       |     |      |     |  |
|------------|--------------|------|-------|-----|------|-----|--|
| MR1M90RHC  | Front Mirror | 25.4 | 9.525 | 90% | 1064 | F/F |  |
| MR1M100RHC | Rear Mirror  | 25.4 | 9.525 | HR  | 1064 | F/F |  |

### MLS MUNICH LASER SYSTEMS

|            |              |      |       |     |      |     |  |
|------------|--------------|------|-------|-----|------|-----|--|
| MR1M90RHC  | Front Mirror | 25.4 | 9.525 | 90% | 1064 | F/F |  |
| MR1M100RHC | Rear Mirror  | 25.4 | 9.525 | HR  | 1064 | F/F |  |

### NWL LASER TECHNOLOGY

|              |              |      |      |     |      |        |  |
|--------------|--------------|------|------|-----|------|--------|--|
| MR1M88RHC    | Front Mirror | 25.4 | 6.35 | 88% | 1064 | F/F    |  |
| MR1M100RHC10 | Rear Mirror  | 25.4 | 6.35 | HR  | 1064 | -10MCC |  |
| MR1M100RHC   | Rear Mirror  | 25.4 | 6.35 | HR  | 1064 | F/F    |  |

### ORZIV

|              |              |      |      |     |      |        |  |
|--------------|--------------|------|------|-----|------|--------|--|
| MR2M80RHC    | Front Mirror | 12.7 | 6.35 | 80% | 1064 | F/F    |  |
| MR2M100RHC   | Rear Mirror  | 12.7 | 6.35 | HR  | 1064 | F/F    |  |
| MR4M88RHC    | Front Mirror | 25.4 | 6.35 | 88% | 1064 | F/F    |  |
| MR4M100RHC10 | Rear Mirror  | 25.4 | 6.35 | HR  | 1064 | -10MCC |  |

### PHOTON ENERGY

|            |              |       |       |     |      |     |  |
|------------|--------------|-------|-------|-----|------|-----|--|
| MR3M80RHC  | Front Mirror | 19.05 | 9.525 | 80% | 1064 | F/F |  |
| MR3M90RHC  | Front Mirror | 19.05 | 9.525 | 90% | 1064 | F/F |  |
| MR3M100RHC | Rear Mirror  | 19.05 | 9.525 | HR  | 1064 | F/F |  |

### QUANTUM LASER

|            |              |       |       |     |      |     |  |
|------------|--------------|-------|-------|-----|------|-----|--|
| MR3M80RHC  | Front Mirror | 19.05 | 9.525 | 80% | 1064 | F/F |  |
| MR3M100RHC | Rear Mirror  | 19.05 | 9.525 | HR  | 1064 | F/F |  |

### QUANTRAD LASER

|            |              |       |       |     |      |     |  |
|------------|--------------|-------|-------|-----|------|-----|--|
| MR3M80RHC  | Front Mirror | 19.05 | 9.525 | 80% | 1064 | F/F |  |
| MR3M90RHC  | Front Mirror | 19.05 | 9.525 | 90% | 1064 | F/F |  |
| MR3M100RHC | Rear Mirror  | 19.05 | 9.525 | HR  | 1064 | F/F |  |

| Item P/N            | Description  | Diameter<br>φ, mm | Thickness<br>t, mm | Reflec-<br>tivity | Wavelength,<br>nm | Type    | OEM P/N              |
|---------------------|--------------|-------------------|--------------------|-------------------|-------------------|---------|----------------------|
| <b>QUANTRONIX</b>   |              |                   |                    |                   |                   |         |                      |
| MR2M80RHC           | Front Mirror | 12.7              | 6.35               | 80%               | 1064              | F/F     | 1109-01156           |
| MR2M88RHC           | Front Mirror | 12.7              | 6.35               | 88%               | 1064              | F/F     | 1102-00491           |
| MR2M100RHC          | Rear Mirror  | 12.7              | 6.35               | HR                | 1064              | F/F     | 1102-00397           |
| MR2M100RX70HC       | Rear Mirror  | 12.7              | 6.35               | HR                | 1064              | +70cmcx | 1102-00249           |
| <b>RAYTHEON</b>     |              |                   |                    |                   |                   |         |                      |
| MR1M42RHC           | Front Mirror | 25.4              | 9.525              | 42%               | 1064              | F/F     | ESL64863             |
| MR1M100RHC          | Rear Mirror  | 25.4              | 9.525              | HR                | 1064              | -1MCC   | 675-3359             |
| <b>ROFIN BAASEL</b> |              |                   |                    |                   |                   |         |                      |
| MR3M35RHC           | Front Mirror | 19.05             | 9.525              | 35%               | 1064              | F/F     | 50010-014            |
| MR3M70RHC           | Front Mirror | 19.05             | 9.525              | 70%               | 1064              | F/F     |                      |
| MR3M80RHC           | Front Mirror | 19.05             | 9.525              | 80%               | 1064              | F/F     |                      |
| MR3M80C75HC         | Front Mirror | 19.05             | 9.525              | 80%               | 1064              | -1MCC   |                      |
| MR3M90RHC           | Front Mirror | 19.05             | 9.525              | 90%               | 1064              | F/F     |                      |
| MR3M90C75H          | Front Mirror | 19.05             | 9.525              | 90%               | 1064              | -1MCC   |                      |
| MR3M95RHC           | Front Mirror | 19.05             | 9.525              | 95%               | 1064              | F/F     |                      |
| MR3M100RHC          | Rear Mirror  | 19.05             | 9.525              | HR                | 1064              | F/F     |                      |
| MR3M100R1MCCHC      | Rear Mirror  | 19.05             | 9.525              | HR                | 1064              | -1MCC   |                      |
| MR3M100R5MCCHC      | Rear Mirror  | 19.05             | 9.525              | HR                | 1064              | -5MCC   |                      |
| <b>ROFIN SINAR</b>  |              |                   |                    |                   |                   |         |                      |
| MR1M88RHC           | Front Mirror | 25.4              | 9.525              | 88%               | 1064              | F/F     | 60-24-518,<br>738020 |
| MR1M100CC1MHC       | Rear Mirror  | 25.4              | 9.525              | HR                | 1064              | -1MCC   | 60-24-519,<br>738021 |
| MR1M80RHC           | Front Mirror | 25.4              | 9.525              | 80%               | 1064              | F/F     | 60-24-550,<br>738019 |
| MR1M100CC2MHC       | Rear Mirror  | 25.4              | 9.525              | HR                | 1064              | -1MCC   | 60-24-551,<br>738053 |
| <b>SIEMENS</b>      |              |                   |                    |                   |                   |         |                      |
| MR3M90RHC           | Front Mirror | 19.05             | 9.525              | 90%               | 1064              | F/F     |                      |
| MR3M100RHC          | Rear Mirror  | 19.05             | 9.525              | HR                | 1064              | F/F     |                      |

| Item P/N                       | Description  | Diameter<br>φ, mm | Thickness<br>t, mm | Reflec-<br>tivity | Wavelength,<br>nm | Type   | OEM P/N |
|--------------------------------|--------------|-------------------|--------------------|-------------------|-------------------|--------|---------|
| <b>SIRO LASERTEC</b>           |              |                   |                    |                   |                   |        |         |
| MR17M35RHC                     | Front Mirror | 16                | 4                  | 35%               | 1064              | F/F    |         |
| MR17M100RHC                    | Rear Mirror  | 16                | 4                  | HR                | 1064              | F/F    |         |
| <b>SISMA</b>                   |              |                   |                    |                   |                   |        |         |
| MR4M50RHC                      | Front Mirror | 25.4              | 6.35               | 50%               | 1064              | F/F    |         |
| MR4M100R5MCCHC                 | Rear Mirror  | 25.4              | 6.35               | HR                | 1064              | -5MCC  |         |
| <b>SPECTRA PHYSICS</b>         |              |                   |                    |                   |                   |        |         |
| MR3M80RHC                      | Front Mirror | 19.05             | 9.525              | 80%               | 1064              | F/F    |         |
| MR3M80C75HC                    | Front Mirror | 19.05             | 9.525              | 80%               | 1064              | -1MCC  |         |
| MR3M100RHC                     | Rear Mirror  | 19.05             | 9.525              | HR                | 1064              | F/F    |         |
| MR3M70RHC                      | Front Mirror | 19.05             | 9.525              | 70%               | 1064              | F/F    |         |
| MR3M80RHC                      | Front Mirror | 19.05             | 9.525              | 80%               | 1064              | F/F    |         |
| MR3M90RHC                      | Front Mirror | 19.05             | 9.525              | 90%               | 1064              | F/F    |         |
| MR3M90C75HC                    | Front Mirror | 19.05             | 9.525              | 90%               | 1064              | -1MCC  |         |
| MR3M100RHC                     | Rear Mirror  | 19.05             | 9.525              | HR                | 1064              | F/F    |         |
| <b>SPECTRON LASER SYSTEMS</b>  |              |                   |                    |                   |                   |        |         |
| MR4M88RHC                      | Front Mirror | 25.4              | 6.35               | 88%               | 1064              | F/F    |         |
| MR4M88R180CCHC                 | Front Mirror | 25.4              | 6.35               | 88%               | 1064              |        |         |
| MR4M100RHC10                   | Rear Mirror  | 25.4              | 6.35               | HR                | 1064              | -10MCC |         |
| MR4M100R5MCCHC                 | Rear Mirror  | 25.4              | 6.35               | HR                | 1064              | -5MCC  |         |
| <b>TERADYNE</b>                |              |                   |                    |                   |                   |        |         |
| MR3M90RHC                      | Front Mirror | 19.05             | 9.525              | 90%               | 1064              | F/F    |         |
| MR3M100RHC                     | Rear Mirror  | 19.05             | 9.525              | HR                | 1064              | F/F    |         |
| MR2M90RHC                      | Front Mirror | 12.5              | 6.35               | 90%               | 1064              | F/F    |         |
| MR2M100RHC                     | Rear Mirror  | 12.5              | 6.35               | HR                | 1064              | F/F    |         |
| <b>T.L.T.</b>                  |              |                   |                    |                   |                   |        |         |
| MR3M80RHC                      | Front Mirror | 19.05             | 9.525              | 80%               | 1064              | F/F    |         |
| MR3M100RHC                     | Rear Mirror  | 19.05             | 9.525              | HR                | 1064              | F/F    |         |
| MR2M80RHC                      | Front Mirror | 12.5              | 6.35               | 80%               | 1064              | F/F    |         |
| MR2M100RHC                     | Rear Mirror  | 12.5              | 6.35               | HR                | 1064              | F/F    |         |
| <b>UNIVERSAL LASER SYSTEMS</b> |              |                   |                    |                   |                   |        |         |
| MR3M70RHC                      | Front Mirror | 19.05             | 9.525              | 70%               | 1064              | F/F    |         |
| MR3M80RHC                      | Front Mirror | 19.05             | 9.525              | 80%               | 1064              | F/F    |         |
| MR3M90RHC                      | Front Mirror | 19.05             | 9.525              | 90%               | 1064              | F/F    |         |

# LASER S.O.S. GROUP

TECHNOLOGY AND MARKET DRIVEN COMPANY!

# LASER MIRRORS

For All Solid State Laser Systems

| Item P/N    | Description  | Diameter<br>φ, mm | Thickness<br>t, mm | Reflec-<br>tivity | Wavelength,<br>nm | Type  | OEM P/N |
|-------------|--------------|-------------------|--------------------|-------------------|-------------------|-------|---------|
| MR3M90C75HC | Front Mirror | 19.05             | 9.525              | 90%               | 1064              | -IMCC |         |
| MR3M100RHC  | Rear Mirror  | 19.05             | 9.525              | 1                 | 1064              | F/F   |         |

Laser SOS provides a comprehensive range of mirrors. If your Mirror is not listed please provide us with a sample, specifications and laser model.





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