

## Part No: SH2-12



### Technical Specification

| Item                           | Specification                         |
|--------------------------------|---------------------------------------|
| <b>Galvanometer Parameters</b> |                                       |
| Clear Aperture                 | 12mm                                  |
| Maximum Scanning Angle         | $\pm 0.35\text{rad}$                  |
| Small Angle Response Time      | $\leq 0.4\text{ms}$                   |
| Marking Speed (f=160)          | 2.2m/s                                |
| Positioning Speed              | 11m/s                                 |
| Maximum Gain Drift             | $\leq 90\text{ppm}/^\circ\text{C}$    |
| Zero Drift                     | $\leq 30\mu\text{rad}/^\circ\text{C}$ |
| 8-hour Work Drift              | $\leq 0.4\text{mrad}$                 |
| Average Working Current        | 2A                                    |
| Peak Current                   | 10A                                   |
| Repeatability                  | 10 $\mu\text{rad}$                    |
| Linearity                      | $\geq 99.5\%$                         |
| Weight                         | (1.5 $\pm$ 5%) Kg                     |



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| <b>Control Card Parameters</b>                 |                             |
|--|-----------------------------|
| Power Supply                                   | $\pm 15V/3A$ DC             |
| Position Signal Input Impedance                | $1K\Omega \pm 1\%$          |
| Position Signal Input Proportional Coefficient | $0.5V/^\circ$               |
| Position Signal Output Scale Factor            | $0.5V/^\circ$               |
| Position Resolution                            | 16bit                       |
| <b>Input Parameters</b>                        |                             |
| Digital Signal                                 | XY2-100                     |
| Wavelength                                     | 355nm/532nm/1064nm/10600nm  |
| Operating Temperature                          | $25^\circ C \pm 10^\circ C$ |