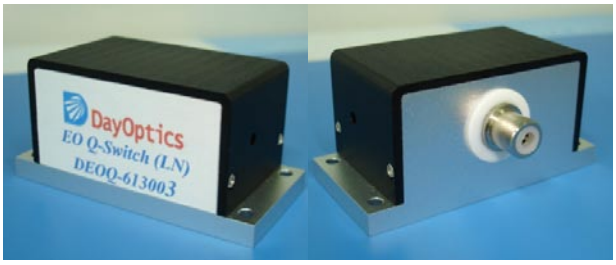
Dayoptics $LiNbO_3$ electro-optic Q-Switch is a Pockels cell type Q-Switch consisting of two matched lithium niobate crysrals packaged in a compact housing. Applying an electric field to the crystal induces a change of refraction, giving rise to an electric field-dependent birefringence, which leads to a change in the polarization state of the optical beam. The EO crystal acts as a variable waveplate with retardance linearly in the applied electric field. By placing a linear polarizer at the exit, the beam intensity through the polarizer varies sinusoidal with linear change in applied voltage.



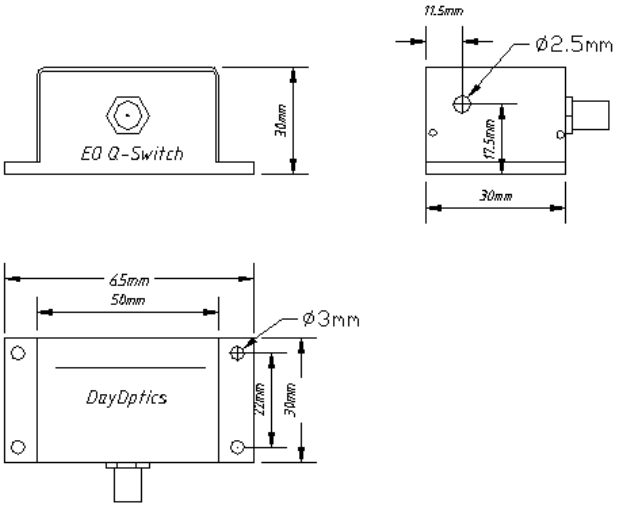


Figure1: Mechanical Drawings

Applications

- OEM Laser Systems
- Medical/Cosmetic Lasers
- Versatile R&D Laser Platforms
- Military & Aerospace Laser Systems

Specifications	Description
Q-Switch Crystal	Lithium Niobate ($LiNbO_3$)
Wavelength Range	1064nm
Clear Aperture	Dia2.5mm
Input Connector	SMA
Max Optical Power Density	4W/mm^2 @1064nm
Capacitance	12pF (typical)
1/4 Wave Voltage @1064nm	264V