

# XL4 Klystron

## (Top level drawing AD-700-924-00)

This drawing package is for the SLAC XL4 x-band pulsed klystron that was originally developed as a source for high gradient accelerator structures for the Next Linear Collider project. This device has proven to be a very useful source for driving a variety of high gradient breakdown experiments to linearizer and deflector structures instrumental to the LCLS operation. This klystron operates at a frequency of 11.424 GHz and produces a peak output power of 50 MW with a pulse length of 1.5  $\mu$ s at 60 Hz pulse repetition rate.

For access to the drawings, contact the SLAC Office of Research Partnerships & Technology Commercialization ([IPRP@slac.stanford.edu](mailto:IPRP@slac.stanford.edu)).

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