

2124/68 blocker data pack

This data pack consists of hardcopy scans of various filter transmission curves supplied by the vendor.

Some scans refer to the actual full size filter; some refer to a small witness sample used to determine relative performance change between two conditions, such as different temperatures or incidence angles; one refers to theoretical performance calculated for wavelengths at which the vendor has no test capability.

The data are

1. Transmission of the filter at 65 K, at two positions: filter center, and a position 2 inches radially from center. The source data are room temperature scans at normal incidence with an f/8 beam, subsequently corrected for the temperature shift to 65 K using the witness sample data.
2. Temperature dependence: 298 K and 77 K scans of the witness sample at normal incidence, f/8 beam
3. Angle of incidence dependence: room temperature scans of the witness sample at two different angles with an f/8 beam.
4. Transmission of the filter across 500 to 3200 nm to show out-of-band blocking.
5. Theoretically calculated out of band blocking at 2.5 to 4.0 microns.









