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LITHIUM TANTALATE **DAMAGE THRESHOLD**

WAVELENGTH	DAMAGE THRESHOLD @ 0.8mm aperture	DAMAGE THRESHOLD @ 2.5mm aperture
1300nm	>1500mW	10 W
1064nm	1000mW	10 W
950nm	600mW	6 W
750nm	150mW	1.5 W
633nm	0.50mW	5 mW

NOTES:

1 – The damage threshold @ 2.5mm aperture is an estimate of the threshold damage level.

2 - Limit the power to these levels for safe of crystal operation.

3 – All power levels are a maximum calculated estimate and/or measured empirical data, and will vary by the quality of the Lithium Tantalate crystal used in a particular application at the time of fabrication.

4 – Lithium Tantalate is used for low power NIR (near Infrared) applications.

5 – Alignment and handling of any electro-optic crystal is critical for proper operation and avoiding damage.