

Technical Data Sheet

Erbium Sputtering Target

Product ID: 6800ST001 - 6800ST006

Formula: Er

Molecular weight: 167.26 g/mol

CAS No.: 7440-52-0

EINECS No.: 231-160-1

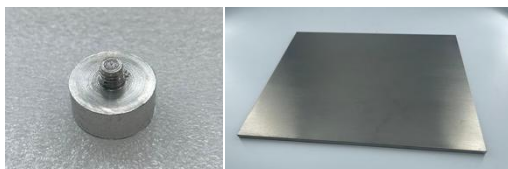
Color: Metallic gray

Description: High-purity erbium sputtering targets offer excellent chemical stability, controlled deposition performance, and reliable thin-film uniformity for advanced coating applications.

Application: Optical coatings, optoelectronic devices, telecommunications, semiconductor applications, etc.

Product

Image:



1. Sizes

Product ID	Formula	Size
6800ST001	Er (99.9% Er/TREM)	Ø 50.8 mm x 3.175 mm
6800ST002	Er (99.9% Er/TREM)	Ø 50.8 mm x 6.35 mm
6800ST003	Er (99.9% Er/TREM)	Ø 76.2 mm x 3.175 mm
6800ST004	Er (99.9% Er/TREM)	Ø 76.2 mm x 6.35 mm
6800ST005	Er (99.9% Er/TREM)	Ø 101.6 mm x 6.35 mm
6800ST006	Er (99.9% Er/TREM)	300 mm x 200 mm x 4 mm
6800STDZ	Er (99.9% Er/TREM)	Customized

2. Chemical compositions

Chemical Compositions (ppm)							
Main Content			TREM ≥99%, Er/TREM ≥99.9%				
RE Impurities (ppm)							
Sm	Eu	Gd	Tb	Dy	Ho	Tm	Yb
≤ 100	≤ 100	≤ 20	≤ 50	≤ 20	≤ 200	≤ 50	≤ 50
Non-RE Impurities (ppm)							
W		Fe		Ca		Mg	
≤ 500		≤ 300		≤ 300		≤ 200	

Note: The purity values shown are calculated by subtracting the sum of selected measured elemental impurities from 100%. These values do not represent the result of a full elemental analysis.

3. Packaging

Carton/wooden box outer bag.

Double vacuum inner bag.

Custom packaging is available.

4. Period of Validity

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re-evaluated.

5. Handling and Storage

Handle with clean, dry gloves and suitable protective equipment to prevent surface contamination and moisture exposure.

Store in a sealed, dry, moisture-resistant package under a clean and dry atmosphere, away from heat, humidity, and corrosive substances.

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