






Semtech – Rare Earth Metals

Dear Customer,

March 26, 2018

Semtech Corporation is aware of recent supply availability of rare earth metals as a result of key sourcing countries reducing their exporting quotas of such rare earth elements.

Semtech Corporation is committed to taking positive measures to ensure, to the extent reasonably practicable, that the products within our supply chain are not directly impacted by any reduction in supply availability of rare earth metals. Semtech product does not utilize any of the rare earth metals noted below.

 Symbol 	Name 	Selected Usages
21 Sc	Scandium	Light Aluminium-scandium alloy for aerospace components, additive in Mercury-vapor lamps . ^[3]
39 Y	Yttrium	Yttrium-aluminum garnet (YAG) laser, YBCO high-temperature superconductors , yttrium iron garnet (YIG) microwave filters. ^[3]
57 La	Lanthanum	High refractive index glass, flint, hydrogen storage, battery-electrodes, camera lenses, fluid catalytic cracking catalyst for oil refineries
58 Ce	Cerium	Chemical oxidizing agent , polishing powder, yellow colors in glass and ceramics, catalyst for self-cleaning ovens , fluid catalytic cracking catalyst for oil refineries
59 Pr	Praseodymium	Rare-earth magnets , lasers , core material for carbon arc lighting, colourant in glasses and enamels , additive in Didymium glass used in welding goggles , ^[3] ferrocerium firesteel (flint) products.
60 Nd	Neodymium	Rare-earth magnets , lasers , violet colors in glass and ceramics, ceramic capacitors
61 Pm	Promethium	Nuclear batteries
62 Sm	Samarium	Rare-earth magnets , lasers , neutron capture , masers
63 Eu	Europium	Red and blue phosphors , lasers , mercury-vapor lamps
64 Gd	Gadolinium	Rare-earth magnets , high refractive index glass or garnets , lasers , x-ray tubes , computer memories , neutron capture
65 Tb	Terbium	Green phosphors , lasers , fluorescent lamps
66 Dy	Dysprosium	Rare-earth magnets , lasers
67 Ho	Holmium	Lasers
68 Er	Erbium	Lasers , vanadium steel
69 Tm	Thulium	Portable X-ray machines
70 Yb	Ytterbium	Infrared lasers , chemical reducing agent
71 Lu	Lutetium	PET Scan detectors, high refractive index glass



The listing of “Rare Earth” metals above were identified by the International Union of Pure and Applied Chemistry, IUPAC, an international federation of [National Adhering Organizations](#) that represents chemists in countries around the world.

Semtech Corporation will continue to undertake due diligence and continuously monitor the procurement activities of our suppliers as they relate to the fabrication and assembly of our product, to ensure minimal impact as a result of any adverse supply availability of these rare earth metals.

In addition, Semtech Corporation will continue to actively monitor and stay informed of relevant activities, reports, and proposals for supply chain improvements by organizations such as IUPAC, and others, as our industry continues to work toward a viable solution towards supply availability of these rare earth metals.

Semtech has relied on information provided by our suppliers in making this declaration and has taken and continues to take commercially reasonable steps to provide representative and accurate information. Semtech’s standard Sales Terms and Conditions, including warranty and limitations of liability, apply to the declarations made herein unless otherwise provided by a written contract or other agreement signed by the parties.

Semtech Corporation thanks you for your inquiry and looks forward to a continued and successful business relationship.

If you have any questions, do not hesitate to give me a call.

Sincerely,

A handwritten signature in black ink, appearing to read "Pat Sanchez", written in a cursive style.

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