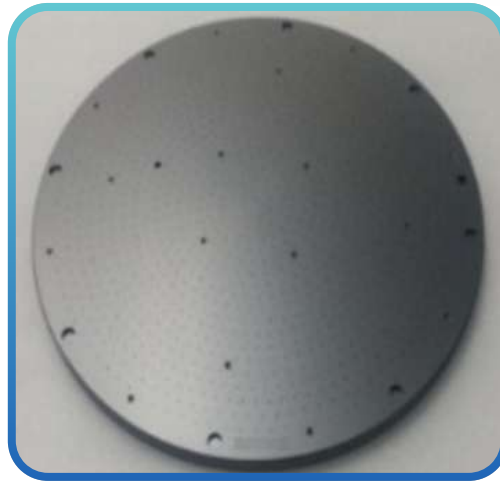
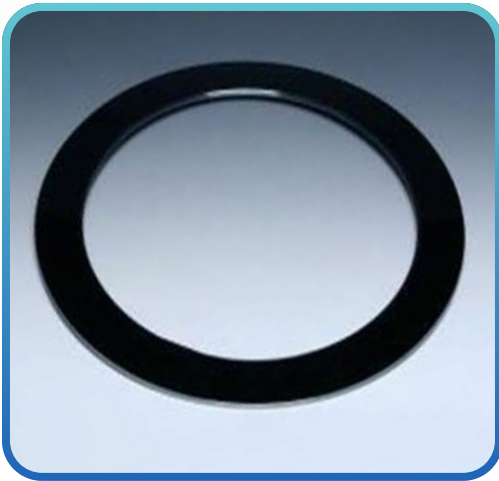
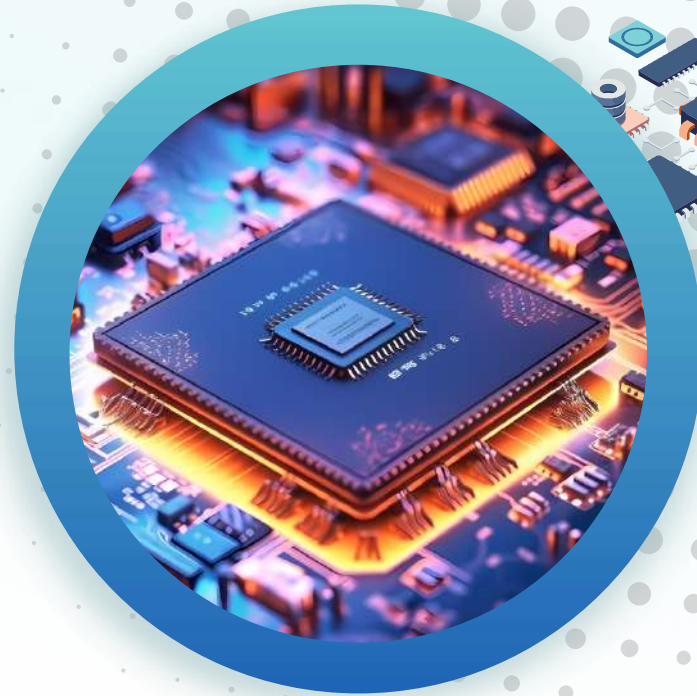




A Company of Japan Material Group
ALDON TECHNOLOGIES SERVICES PTE LTD

Silicon Parts

(Si, SiC & CVD-SiC)





A Company of Japan Material Group

ALDON TECHNOLOGIES SERVICES PTE LTD

Introduction

ALDON is proud to provide our Supply of Silicon parts by working with our quality principals from around our regions.

By drawing on their respective areas of expertise, we are able to provide our customers with a wide range of products that are of best quality with competitive pricing.

Over the years, we have also built-up extensive capabilities in reverse engineering and providing modifications to help customers resolves their chronic issues.

Si & SiC Material Overview

Silicon (Si)

Silicon is the foundational material of the semiconductor industry and is valued for its excellent electrical and thermal properties. High-purity silicon materials are commonly utilized in etching, deposition, and thermal processes, offering strong resistance to thermal stress and excellent mechanical integrity. Their compatibility with silicon wafers helps minimize contamination risks and supports stable, repeatable process performance.

Silicon Carbide (SiC)

Silicon carbide (SiC) is known for its exceptional hardness, high thermal conductivity, and outstanding resistance to chemical corrosion and plasma environments. It maintains structural integrity even under extreme temperatures and aggressive processing conditions. SiC components are widely used in semiconductor equipment where durability and long service life are critical.



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CVD-SiC Material Overview

Chemical Vapor Deposition Silicon Carbide (CVD-SiC)

CVD-SiC is an advanced material produced through a chemical vapor deposition process, resulting in an ultra-pure, dense, and highly uniform silicon carbide structure. It combines the excellent thermal and mechanical properties of SiC with superior surface quality and contamination control.

CVD-SiC is particularly suited for demanding semiconductor applications, including epitaxy, etching, and plasma processing. Its high purity, excellent thermal conductivity, and resistance to particle generation make it an ideal material for part life extension and next-generation wafer fabrication technologies.

Range of Silicon Products



DRM

**Si Focus Ring for Normal
ESC (Silicon)**

P/n 1D05-302209-14



**Si Focus Ring for Ceramic
ESC (Silicon)**

P/n 1D10-309946-12



SCCM

**Focus Ring, N
MTBWC250 (Silicon)**

P/n 1810-329523-11



Gasonic

Ring Hot Edge, Si, DFC 300MM

P/n 716-023013-037



Flex

Ring Hot Edge, Si, DFC 300MM

P/n 716-023013-037



Producer

Collar 300mm 5.4mm (Silicon)

P/n 0200-03736



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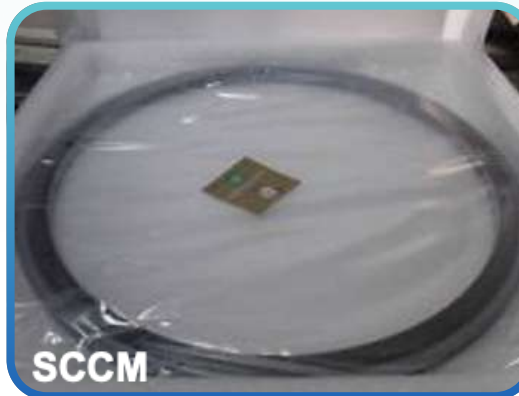
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Range of Silicon Products



SCCM

Focus Ring L6-5.8 LT -R
P/n 3D10-250197-11



SCCM

Ring Silicon GND
P/n 3D10-250182-11



Focus Ring
P/n 3D10-350401-11

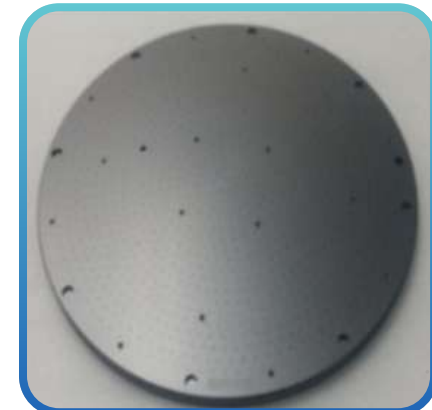


Endura

Si Antenna Pin
P/n 0020-24018



CVD-SiC Ring



CVD-SiC Showerhead