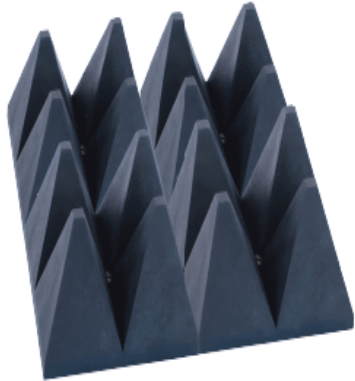


## HIGH POWER SIC BASED FLAT & PYRAMIDAL ABSORBER

### HIGH POWER SIC BASED PYRAMIDAL ABSORBER



#### FEATURES:

- ❖ High-power silicon carbide based sintered materials, resist to high power.
- ❖ Power handling capacity of minimum 30 kw/m<sup>2</sup> with normal ventilation conditions available in a room.
- ❖ Temperature with stand capability up to 1000 deg C.
- ❖ Out gassing properties like TML < 1 % and CVCM < 0.1 %.

#### Typical Reflectivity:

- ❖ Typical Reflectivity of 4 inch thick SiC based High Power Pyramid Absorber is minimum -25dB at 2 GHz raising to min. -30 dB at 4 GHz and higher frequencies.
- ❖ We can as well supply SiC based Pyramidal absorbers in thickness like 4 Inch, 8 Inch, 12 Inch and more.

## Availability:

- ❖ The 4 inch thick Sic based High Power Absorber is having 9 Pyramid with base size of 150mm x 150mm.
- ❖ The 8 inch thick Sic based High Power Absorber is having 4 Pyramid with base size of 150mm x 150mm.
- ❖ The 12 inch thick Sic based High Power Absorber is having 4 Pyramid with base size of 200mm x 200mm

## How to Use:

- ❖ For optimum performance the absorber must be immediately backed with metallic surface.
- ❖ This absorber can be supplied with mounting nut fitted on the bottom to fix it with the wall.

## HIGH POWER SIC BASED FLAT RESONATING ABSORBER FOR MICROWAVE PLASMA CHEMICAL VAPOR DEPOSITION (MPCVD)

### FEATURES:

- ❖ High-power silicon carbide based sintered materials, resist to high power.
- ❖ Power handling capacity of minimum 30 kw/m<sup>2</sup> with normal ventilation conditions available in a room.
- ❖ Temperature withstand capability up to 1000 deg C.
- ❖ Outgassing properties like TML < 1 % and CVCM < 0.1 %.

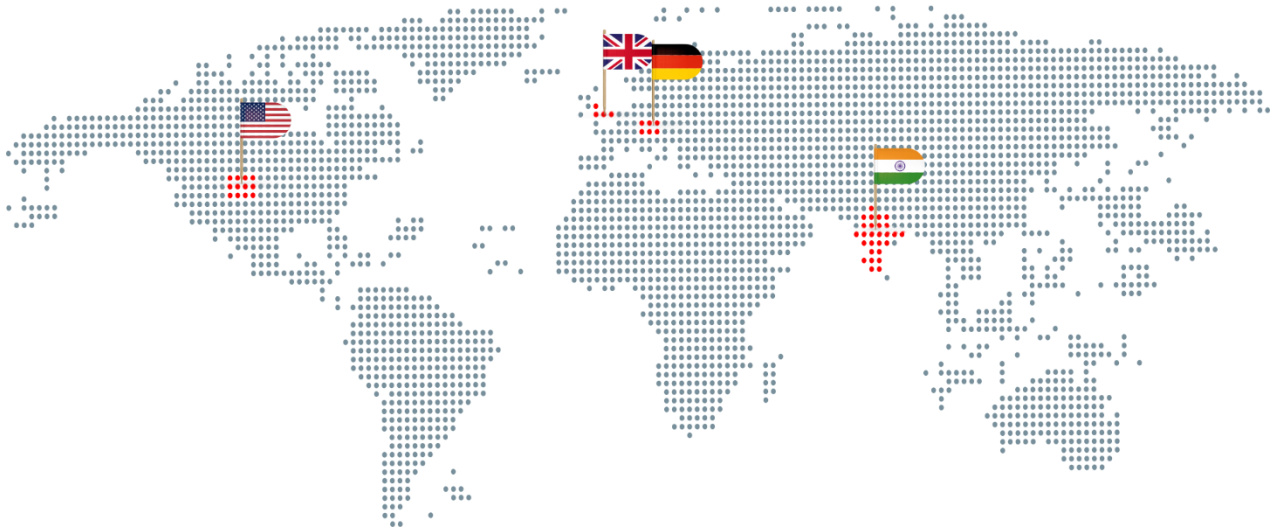
### Typical Reflectivity:

- ❖ Typical reflection loss -20 dB w.r.t metal plate at 2.45GHz.

### How/Where to Use:

- ❖ For optimum performance the absorber must be immediately backed with metallic surface.
- ❖ In Microwave Plasma Chemical Vapor Deposition (MPCVD) systems operating at 2.45 GHz.
- ❖ Flat Absorber at other frequencies can also be supplied/Developed.

# GLOBAL PRESENCE



**LASER CUTTING** RF & Microwave  
**MARKING** Medical Devices  
**WELDING** Hi-Tech Software  
 Diamond Processing  
 Renewable Energy  
 Cleaning  
 Scribing / Dicing  
 Automations

**DEFENCE & AEROSPACE**  
**MICRO MACHINING**

## SLTL'S STRENGTH

<p>Experience</p> <p><b>34+</b> Years</p>	<p>Mfg. Plants</p> <p><b>6</b> Laying Over</p> <p><b>54000</b> Sq. mtr.</p>	<p><b>10%</b></p> <p>Yearly R&amp;D</p>	<p>Exports</p> <p><b>40+</b></p> <p>Countries</p>
<p><b>15000+</b></p> <p>Systems</p>	<p><b>ISO</b></p> <p>9001-2015</p>	<p><b>26+</b></p> <p>Patents</p>	<p><b>29+</b></p> <p>Awards</p>



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