

# INQUIRY FORM – DIODE / RECTIFIER

Use this form to help provide the needed information for technical sales support with a product request for all standard products, and custom designs. To be used for all discrete diodes and simple rectifier assemblies.



## GENERAL INFORMATION

Company Name: \_\_\_\_\_  
Individual Name: \_\_\_\_\_  
Email Address: \_\_\_\_\_  
Phone Number: \_\_\_\_\_

Request Date: \_\_\_\_\_  
Response Required Date: \_\_\_\_\_  
Build Location (City & Country): \_\_\_\_\_  
Final Application: \_\_\_\_\_

## DESIGN REQUIREMENTS

### Rectifier Use:

- |  |                                     |
|--|-------------------------------------|
| <input type="checkbox"/> Rectification - Half Wave   | <input type="checkbox"/> Blocking   |
| <input type="checkbox"/> Rectification - Full Wave   | <input type="checkbox"/> Clipping   |
| <input type="checkbox"/> Rectification - Three Phase | <input type="checkbox"/> Clamping   |
| <input type="checkbox"/> Rectification - Other       | <input type="checkbox"/> Multiplier |

### Basic Characteristics:

Average Operating Voltage: \_\_\_\_\_ (V)  
Peak (max) Operating Voltage: \_\_\_\_\_ (V)  
If AC Max Frequency: \_\_\_\_\_ (kHz)  
Average Operating Current: \_\_\_\_\_ (mA / A)  
Average Operating Current Through:  Diode  Bridge  
Maximum Surge Current: \_\_\_\_\_ (mA / A)  
Duration: \_\_\_\_\_ (ms / ns) Frequency: \_\_\_\_\_ (kHz)  
Cooling Method:  Convection /  Moving Air /  Oil  
 Heat Sink /  Other: \_\_\_\_\_  
Maximum Operating Temperature: \_\_\_\_\_ (°C)  
Operating Environment:  Air /  Gas /  Oil /  Epoxy  
 Other: \_\_\_\_\_

### For Blocking / Clipping or Clamping Use:

Max Reverse Voltage: \_\_\_\_\_ (V)  
Fastest Rise Time (di/dT): \_\_\_\_\_ (ms / ns)  
Max Pulse Repetition Rate: \_\_\_\_\_

### For Multiplier Use:

Multiplier input voltage: \_\_\_\_\_ (V)  
Maximum input frequency: \_\_\_\_\_ (kHz)  
Number of Stages in Multiplier: \_\_\_\_\_  
Multiplier Type:  Crockcroft Walon  
 Other \_\_\_\_\_  
Desired Multiplier Output Voltage: \_\_\_\_\_ (V)  
Desired Multiplier Output Current: \_\_\_\_\_ (mA / A)  
Desired Multiplier Output Ripple: \_\_\_\_\_ (%)

(If interested in full multiplier, please use specific form.)

## NOTES / DIAGRAMS: