

# P200 Passive Probe Customizable Interconnect Solution

## INTRODUCTION

The P200 Passive Probe family is a part of Carlisle Interconnect Technologies' full lineup of customizable interconnect solutions that is a standard, commercial off-the-shelf system engineered to deliver consistent, repeatable, and dependable results. Designed to provide a superior quality "look and feel" for customers who want a cost effective solution with the highest quality. The P200 Passive Probe family is fully customizable for color, shape, logos, markings, and attenuation. Accessories can also be custom-designed to your application.

Feature	Customer Benefit
250 MHz bandwidth	<ul style="list-style-type: none"> <li>Reliable performance and quality engineered at a low cost.</li> </ul>
Highly configurable design	<ul style="list-style-type: none"> <li>Nearly all features can be configured to match unique "look and feel" and custom specification (attenuation, bandwidth, etc)</li> </ul>
Third-party certified, exceeds UL61010-31, IEC61010-31	<ul style="list-style-type: none"> <li>Superior product quality backed by UL certification</li> </ul>
1X, 10X switchable configuration	<ul style="list-style-type: none"> <li>Switchable configuration gives the flexibility to choose the attenuation that fits your application</li> <li>Non-switchable configurations available (contact us for more information)</li> </ul>



Passive Probe P200

## SUGGESTED APPLICATIONS

- » Low power device services
- » Manufacturing engineering
- » Test research and development
- » Relative low frequency measurement
- » Low frequency computer and telecom measurements
- » Power supplies
- » Inverter design

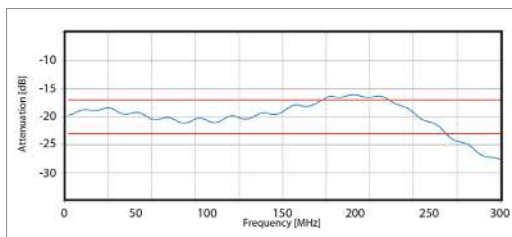
# P200 Passive Probe Customizable Interconnect Solution

## SPECIFICATIONS AND PERFORMANCE

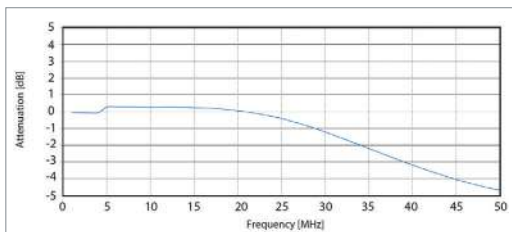
Parameter	P200 -010S (1X, 10X Switchable Attenuation)	
Bandwidth	DC - 10 MHz	DC - 200 MHz
Attenuation Ratio	1:1	10:1
Max Input Voltage (V)	*150 V CAT II	*300 V CAT II
Input Resistance	1 MΩ	10 MΩ
Input Capacitance (pF)	<110 pF	15 pF
Compensation Range	N/A	10 - 25 pF
Rise Time	<35 ns	<2.1 ns
Safety	Conformance to Low Voltage Directive (LVD) 73/23/EEC, amendment 93/68/EEC; IEC-61010-031:2015	
Operating Temperature	0 °C to 50 °C, 80% RH	
Storage Temperature	-40 °C to 70 °C	
Operating Altitude	Up to 2,000 m	
Storage Altitude	Up to 15,000 m	

\*Max input voltage frequency dependent, see Voltage Derating Curve.

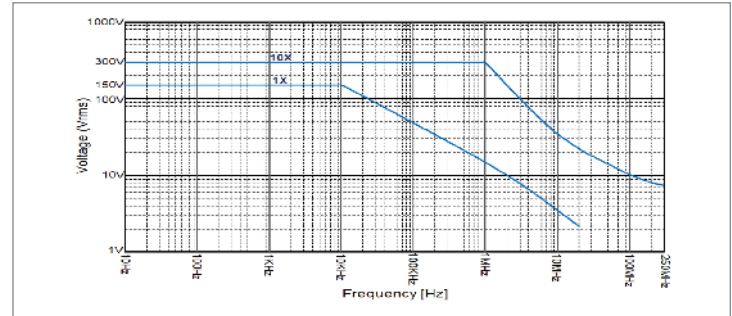
### 10x Bandwidth



### 1x Bandwidth



### Voltage Derating Curve



## ORDERING INFORMATION

Model	Description
P200-010S	1X,10X Switchable Probe Kit
Kit Includes:	<ul style="list-style-type: none"> <li>» Probe</li> <li>» Grabber Hook</li> <li>» Insulating Tip Cap</li> <li>» BNC Adapter</li> <li>» RF Ground Spring</li> <li>» Adjusting Screw Driver</li> <li>» Alligator Ground Lead</li> <li>» Instruction Manual</li> </ul>



(1) Probe, (2) Grabber Hook, (3) BNC Adapter, (4) Alligator Ground lead, (5) RF Ground Spring.



See CarlisleIT's line of probes at:  
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