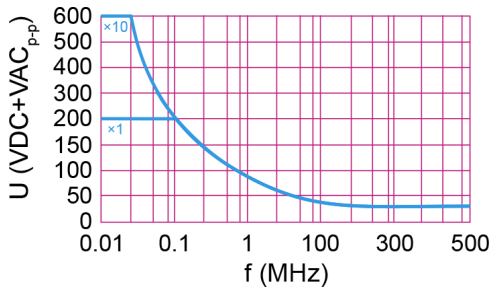# User's manual

Oscilloscope Probe
T5060

INTRODUCTION

The T5060 is a passive high impedance oscilloscope probe designed and calibrated for use with instruments having an input impedance of 1MΩ.

However, it may be compensated for use with instruments having an input capacitance of 10 to 35pF.

The probe incorporates a three position slide switch in the head which selects attenuation of x1, x10 or a ground reference position.
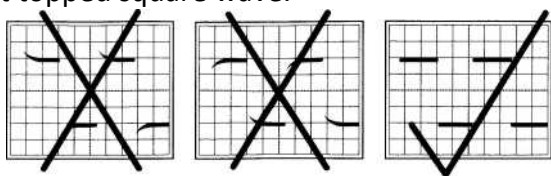
VOLTAGE DERATING CURVE

SAFETY INSTRUCTIONS

Review the following safety precautions to avoid injury and prevent damage to this product or any products connected to it.

- To avoid potential hazards, use this product only as specified.
- The common terminal is at ground potential. Do not connect the common terminal to elevated voltages.
- Do not operate in an explosive atmosphere.
- Keep product surfaces clean and dry.
- If your probe requires cleaning, disconnect it from the instrument and clean it with mild detergent and water. Make sure the probe is completely dry before reconnecting it to the instrument.

COMPENSATION ADJUSTMENT

The following adjustment is required whenever the probe is transferred from one oscilloscope or input channel to another. Connect the probe to the oscilloscope and select x10 position on the probe switch. Apply a 1KHz square wave to the probe tip, or connect to the cal socket on the oscilloscope to display a few cycles of the waveform and adjust the trimmer located in the BNC box for a flat topped square wave.

Visit www.tmatlantic.com
to learn more about
probe compensation

SPECIFICATIONS
Bandwidth: 60MHz
Rise time: 3.5ns
Attenuation Ratio: 1X and 10X
Input Resistance: 1 MΩ / 10MΩ±2%
Input Capacitance: 1X: 85pF ~ 135pF / 10X: 16 ~ 20 pF
Maximum Input: 1X: 200 Working voltage (Vp-p) / 10X: 600 Working Voltage (Vp-p)
Compensation Range: 10pF ~ 35pF
Operating Environment: -10°C ~ +50°C / 0 ~ 85% Relative Humidity

ACCESSORIES
- Ground Lead
- Channel Identifier Clip (red)
- Sprung Hook
- Adjusting Tool

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