

## **WARRANTY**

Tektronix warrants that this product will be free from defects in materials and workmanship for a period of three (3) months from the date of shipment. If any such product proves defective during this warranty period, Tektronix, at its option, either will repair the defective product without charge for parts and labor, or will provide a replacement in exchange for the defective product.

In order to obtain service under this warranty, Customer must notify Tektronix of the defect before the expiration of the warranty period and make suitable arrangements for the performance of service. Customer shall be responsible for packaging and shipping the defective product to the service center designated by Tektronix, with shipping charges prepaid. Tektronix shall pay for the return of the product to Customer if the shipment is to a location within the country in which the Tektronix service center is located. Customer shall be responsible for paying all shipping charges, duties, taxes, and any other charges for products returned to any other locations.

This warranty shall not apply to any defect, failure or damage caused by improper use or improper or inadequate maintenance and care. Tektronix shall not be obligated to furnish service under this warranty a) to repair damage resulting from attempts by personnel other than Tektronix representatives to install, repair or service the product; b) to repair damage resulting from improper use or connection to incompatible equipment; or c) to service a product that has been modified or integrated with other products when the effect of such modification or integration increases the time or difficulty of servicing the product.

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**YT5100, YT5060  
100MHz, 60MHz  
1X/10X Passive Probes**

## Specifications

	PROBE MODEL	
	YT5100	YT5060
<i>X10 Position</i>		
Bandwidth	DC - 100 MHz	DC - 60 MHz
Attenuation Ratio	10 : 1	10 : 1
Compensation Range	20pF - 45pF	20pF - 45pF
Input Capacitance	16.6pF	16.6pF
Input Resistance	10M $\Omega$	10M $\Omega$
Maximum Input Voltage	500 V (dc + peak ac) to 1MHz. Derate to 25V above 10MHz	500 V (dc + peak ac) to 1MHz. Derate to 25V above 10MHz

### *X 1 Position*

Bandwidth	DC - 5 MHz	DC - 4 MHz
Attenuation Ratio	1 : 1	1 : 1
Compensation Range	All Scopes w/1M $\Omega$ Input	All Scopes w/1M $\Omega$ Input
Input Capacitance	110pF	110pF
Input Resistance	1M $\Omega$	1M $\Omega$
Maximum Input Voltage	250 V (dc + peak ac) to 1MHz. Derate to 25V above 10MHz	250 V (dc + peak ac) to 1MHz. Derate to 25V above 10MHz

Nominal Traits

## YT5100 / YT5060

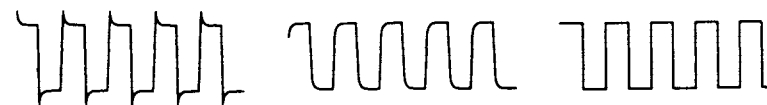
### 100MHz, 60MHz Passive Voltage Probes

#### Description

The 100 MHz YT5100 and 60 MHz YT5060 probes can select 1X or 10X attenuation using the switch located on the probe head. Both probes feature 1.5 meter cables. A hooktip, ground lead, and adjustment tool are included. These probes are compatible with any general purpose oscilloscope with an input capacitance between 20pF and 45pF.

#### Probe Compensation

Connect the probe to the oscilloscope input and switch the probe to the X 10 position. Connect the probe tip to a square wave signal with an approximate 1KHz repetition rate. Display the signal with 5 divisions of amplitude and several pulses on the oscilloscope screen. Adjust the capacitor at the BNC end of the probe to obtain the flattest response.



OVER COMPENSATED  
(OVERSHOOT)

UNDER COMPENSATED  
(ROLLOFF)

CORRECT  
(FLAT)

#### NOTE

*This probe does not contain any user replaceable parts.*

#### WARNING

**DO NOT** dismantle the probe while it is connected to any voltage source. **DO NOT** use in an explosive atmosphere. **DO NOT** immerse in liquids. Clean the probe using a damp cloth.

**Tektronix**