

# 4 GHz Active Probes

**P7240 \* P6249 \* P6209**

## Characteristics

**Bandwidth** - DC to 4.0 GHz at -3 dB (typical, probe only).

**Rise-time** - < 120 ps (guaranteed, 20°C to 30°C).

**Dynamic Range** -  $\pm 2.0$  V.

**Attenuation** - 5x.

**Input Resistance** - 20 kilohm (typical).

**DC Offset Range** -  $\pm 5$  Vdc.

**Input Capacitance** - < 1 pF (typical).

**Max Voltage (Nondestruct)** -  $\pm 30$  V (DC plus peak AC).

## Cable Length -

P6209: 1.37 m (includes output SMA cable).

P7240, P6249: 1.4 m.

**Output Load Requirement** - 50 Ohm.

**Linearity** -  $\pm 0.1\%$  at DC.

**Output Offset** - Probe Only:  $\pm 7.5$  mV or less (20°C to 30°C).

## DC Offset Drift -

150  $\mu\text{V}/^\circ\text{C}$  or less (probe only).

System on-screen display w/TEKPROBE or TekConnect interface: 0.75  $\text{mV}/^\circ\text{C}$  or less.



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