

7.5 GHz Passive Probe Set J1512A

Ideal for High-speed Digital System Evaluation

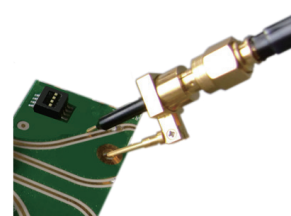
BERTWave MP2100B



Features

- 7.5 GHz Frequency bandwidth (-3 dB)**
 Ideal probe for GHz-band sampling oscilloscope
- Low Input Resistor of less than 0.5 pF**
 Choice of 10:1 or 20:1 attenuation ratio
 Low capacity input ideal for monitoring high-speed signal waveforms
- Compact ground lead**
 Short input ground lead ideal for high-frequency circuit evaluation

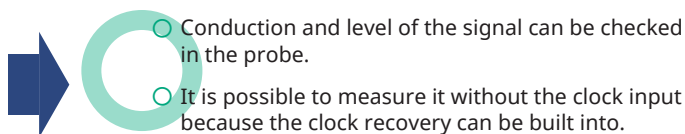
Frequency bandwidth (-3dB)	DC to 6 GHz (min.), 7.5 GHz (typ.)
Standard configuration	Cable assembly, end sleeve 1 pc, resistor (450Ω) 2 pcs, resistor (950Ω) 2 pcs, probe 1 pc, manual 1 page
Attenuation ratio	10:1 within ±3.5% (450Ω) 20:1 within ±3.5% (950Ω)
Input resistor	450Ω ±2% 950Ω ±2% (each selectable)
Input capacity	450Ω: 0.25 pF (typ.) 950Ω: 0.4 pF (typ.)
Maximum input voltage	20 Vrms, 40 Vac peak
Cable length	1 m ±20 mm
Shape	Input terminal length: 22.4 mm, extendible ground wire
Connector	SMA
Operating environment	Temperature: 5° to 35°C Relative Humidity: 20% to 80%, no condensation
Storage environment	Temperature: -20° to 60°C Relative Humidity: 20% to 80%, no condensation



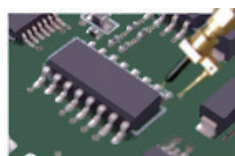
Direct Measurement without SMA connector

Measure on-board device signal level...

✖ The trouble shoot in the part where the SMA connector has not adhered cannot be done.

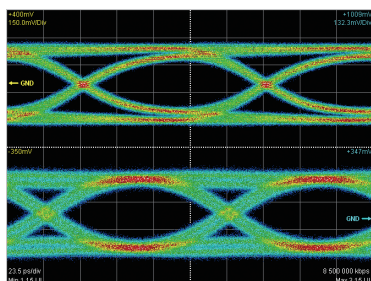


The waveform of the GHz can be observed for low loss because frequency bandwidth of probe is DC to 7.5 GHz.



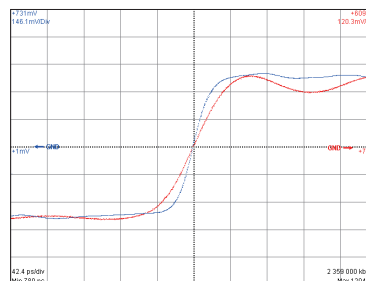
Direct monitoring with probe

With SMA



With probe

Actual waveforms (EYE)
(Bit Rate: 8.5 Gbit/s, Pattern: PRBS 31)



— : With SMA
— : With probe

Actual waveforms (Pulse)
(Bit Rate: 2.25 Gbit/s, Pattern: 01 signals)
Rise Time: 17.00 (SMA), 40.16 (probe)

Ordering Information

The product name and listed name may be different sometimes; contact your sales representative for more details.

Model/Order No.	Name
J1512A	7.5GHz Passive Probe Set
Z1507A	7.5GHz passive probe set resistor
J1349A	Coaxial Cable 0.3 m
J1342A	Coaxial Cable 0.8 m
J1343A	Coaxial Cable 1.0 m