

Picoprobe®

BY GGB INDUSTRIES INC.

Probe Serial #: 1LE89

Part #: 67A-GS-100-D-100

Uncalibrated Performance

Top Graph: Return Loss into a 50 ohm load

Calibration Coefficients Using Cal Substrate: CS-8

OPEN (on open pad)

$C_0 = 4.3 \text{ fF}$ or
Offset Length = $65 \mu\text{m}$ or
Offset Delay = 0.217 ps

SHORT (on short bar)

$L_0 = 9.2 \text{ pH}$ or
Offset Length = $55 \mu\text{m}$ or
Offset Delay = 0.183 ps or
[Offset $Z_0 = 500 \text{ ohm}$ with
Offset Delay = 0.018 ps]

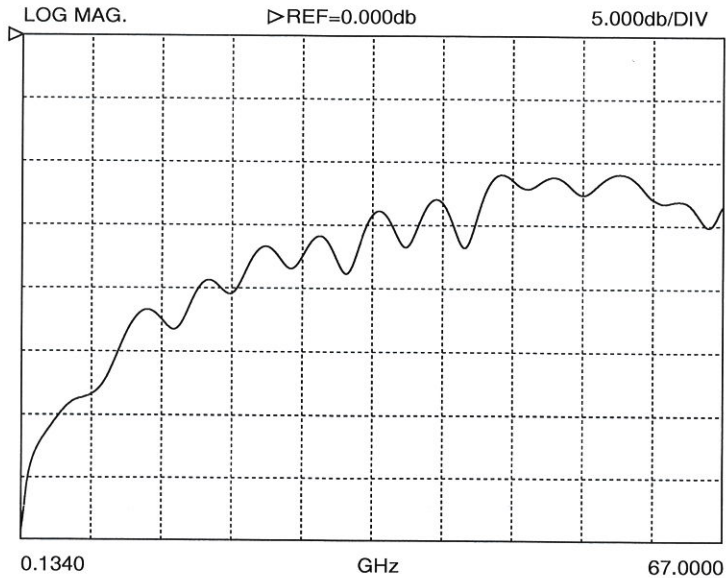
LOAD (on 50 ohm load pad)

0 fF or
 0 pH or
[Offset $Z_0 = 50 \text{ ohm}$ with
Offset Delay = 0 ps]

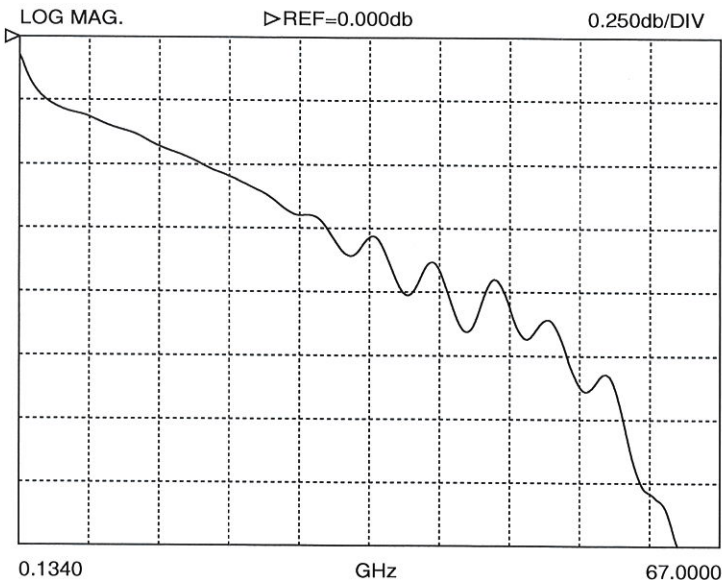
Bottom Graph: Insertion Loss

Maximum insertion loss for this probe is -2.26 db

S11 FORWARD REFLECTION



S21 FORWARD TRANSMISSION



GGB INDUSTRIES, INC. • P.O. BOX 10958 • NAPLES, FLORIDA 34101

Telephone (239) 643-4400 Fax. (239) 643-4403 E-mail email@ggb.com www.picoprobe.com

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Probe Serial #: 1LE90

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Uncalibrated Performance

Top Graph: Return Loss into a 50 ohm load

Calibration Coefficients Using Cal Substrate: CS-8

OPEN (on open pad)

$C_0 = 4.3$ fF or
Offset Length = $65 \mu\text{m}$ or
Offset Delay = 0.217 ps

SHORT (on short bar)

$L_0 = 9.2$ pH or
Offset Length = $55 \mu\text{m}$ or
Offset Delay = 0.183 ps or
[Offset $Z_0 = 50$ ohm with
Offset Delay = 0.018 ps]

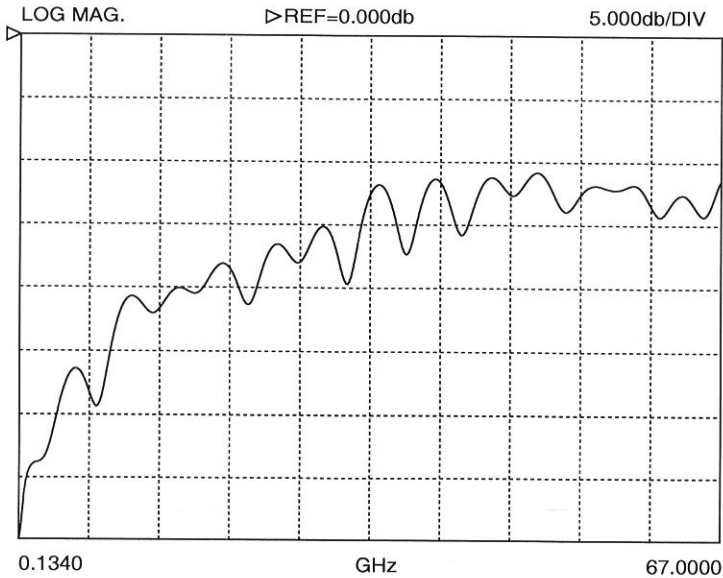
LOAD (on 50 ohm load pad)

0 fF or
 0 pH or
[Offset $Z_0 = 50$ ohm with
Offset Delay = 0 ps]

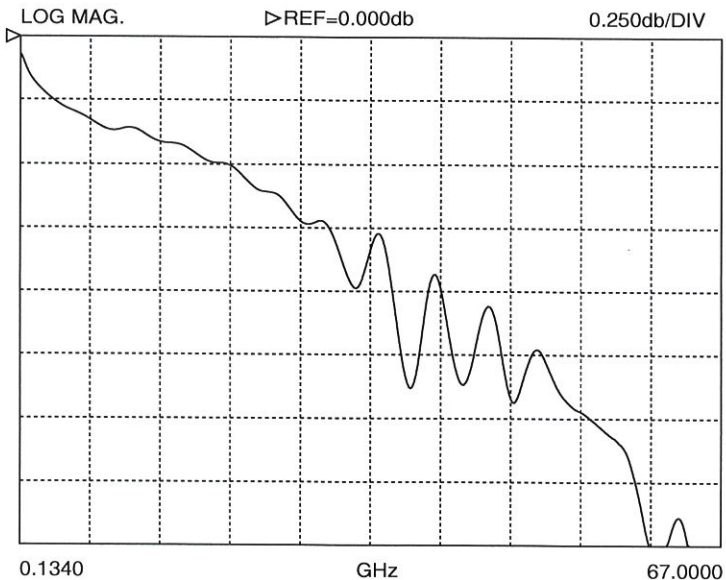
Bottom Graph: Insertion Loss

Maximum insertion loss for
this probe is -2.42 db

S11 FORWARD REFLECTION



S21 FORWARD TRANSMISSION



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