

Picoprobe®

BY GGB INDUSTRIES INC.

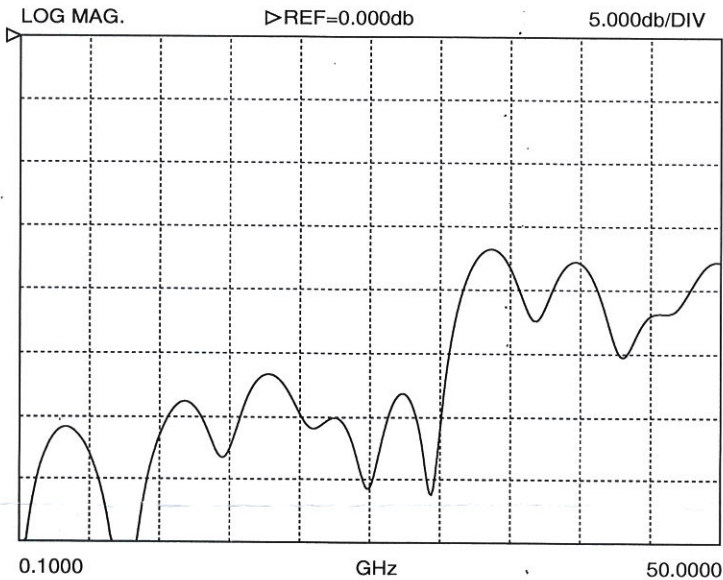
Probe Serial #: 61165

Part #: 50A-GSG-150-P

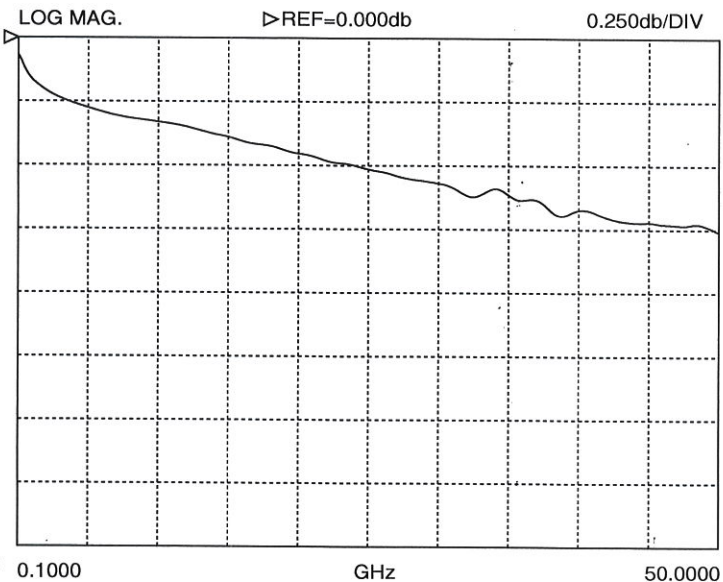
Uncalibrated Performance

Top Graph: Return Loss into a 50 ohm load

S11 FORWARD REFLECTION



S21 FORWARD TRANSMISSION



Calibration Coefficients Using Cal Substrate: CS-5

OPEN (on open pad)

$C_0 = 6.5 \text{ fF}$ or
Offset Length = $98 \text{ }\mu\text{m}$ or
Offset Delay = 0.327 ps

SHORT (on short bar)

$L_0 = 8.8 \text{ pH}$ or
Offset Length = $53 \text{ }\mu\text{m}$ or
Offset Delay = 0.177 ps or
[Offset $Z_0 = 500 \text{ ohm}$ with
Offset Delay = 0.018 ps]

LOAD (on 50 ohm load pad)

1.6 fF or
 -4.0 pH or
[Offset $Z_0 = 5 \text{ ohm}$ with
Offset Delay = 0.008 ps]

Bottom Graph: Insertion Loss

Maximum insertion loss for this probe is -0.76 db

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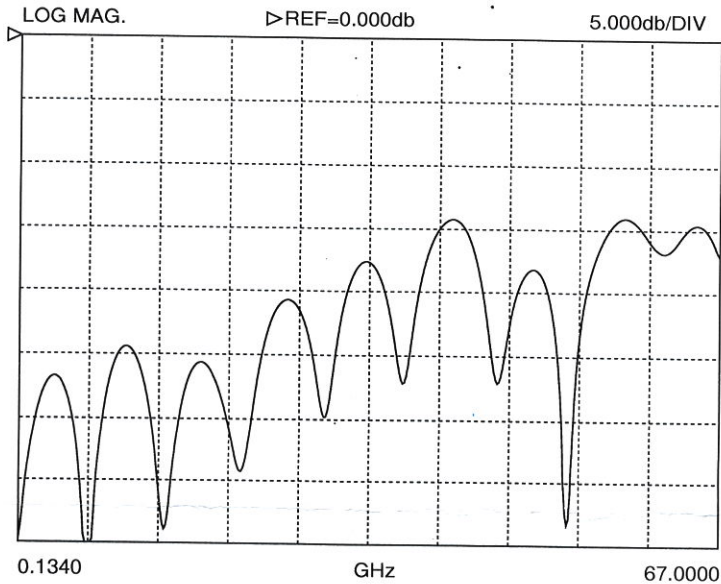
Probe Serial #: 61166

Part #: 67A-GSG-150-P

Uncalibrated Performance

Top Graph: Return Loss into a 50 ohm load

S11 FORWARD REFLECTION



Calibration Coefficients Using Cal Substrate: CS-5

OPEN (on open pad)

$C_0 = 6.5 \text{ fF}$ or
Offset Length = $98 \text{ }\mu\text{m}$ or
Offset Delay = 0.327 ps

SHORT (on short bar)

$L_0 = 8.8 \text{ pH}$ or
Offset Length = $53 \text{ }\mu\text{m}$ or
Offset Delay = 0.177 ps or
[Offset $Z_0 = 500 \text{ ohm}$ with
Offset Delay = 0.018 ps]

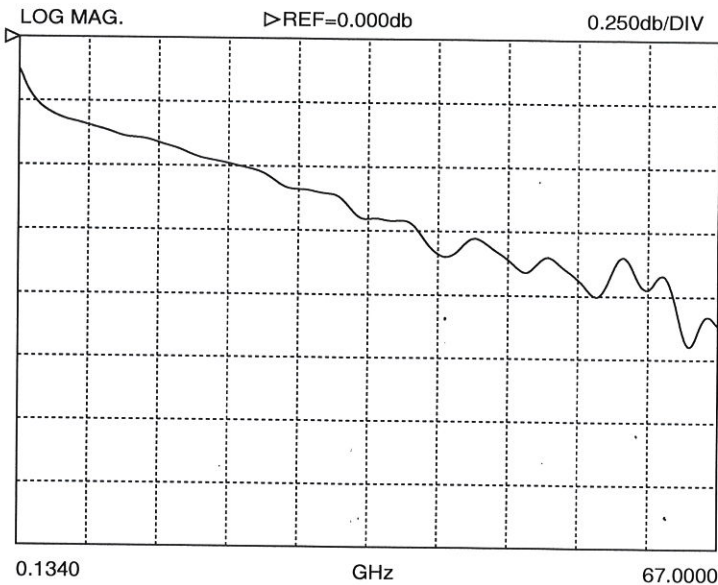
LOAD (on 50 ohm load pad)

1.6 fF or
 -4.0 pH or
[Offset $Z_0 = 5 \text{ ohm}$ with
Offset Delay = 0.008 ps]

Bottom Graph: Insertion Loss

Maximum insertion loss for this probe is -1.20 db

S21 FORWARD TRANSMISSION



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Probe Serial #: 56456

Part #: 50A-GSG-150-P

Uncalibrated Performance

Top Graph: Return Loss into a 50 ohm load

Calibration Coefficients Using
Cal Substrate: CS-5

— OPEN (on open pad) —

$C_0 = 6.5 \text{ fF}$ or
Offset Length = $98 \mu\text{m}$ or
Offset Delay = 0.327 ps

— SHORT (on short bar) —

$L_0 = 8.8 \text{ pH}$ or
Offset Length = $53 \mu\text{m}$ or
Offset Delay = 0.177 ps or
[Offset $Z_0 = 500 \text{ ohm}$ with
Offset Delay = 0.018 ps]

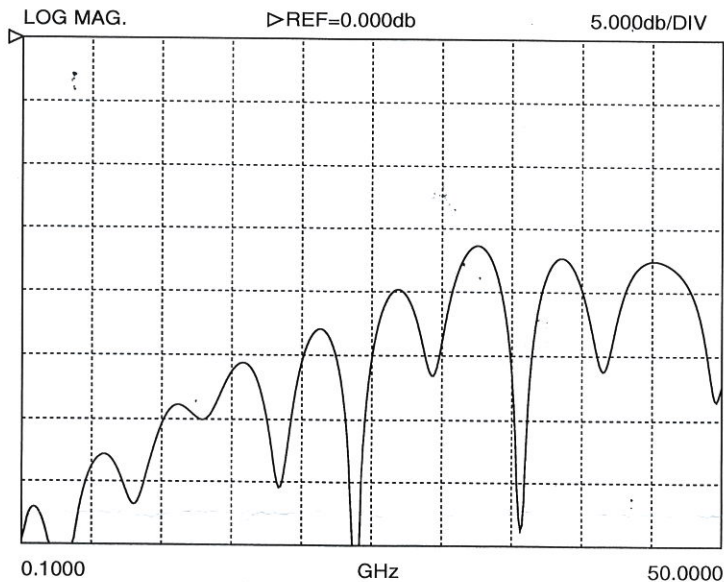
— LOAD (on 50 ohm load pad) —

1.6 fF or
 -4.0 pH or
[Offset $Z_0 = 5 \text{ ohm}$ with
Offset Delay = 0.008 ps]

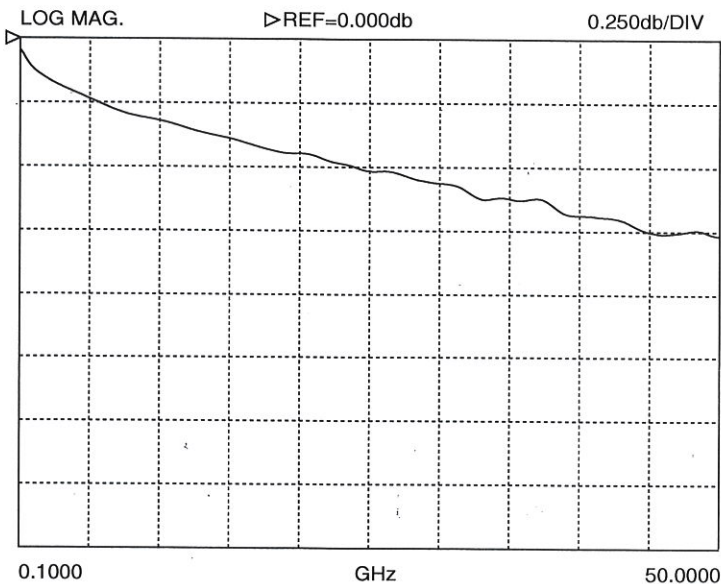
Bottom Graph: Insertion Loss

Maximum insertion loss for
this probe is -0.77 db

S11 FORWARD REFLECTION



S21 FORWARD TRANSMISSION



Picoprobe[®]

BY GGB INDUSTRIES INC.

Probe Serial #: 56455

Part #: 50A-GSG-150-P

Uncalibrated Performance

Top Graph: Return Loss into a 50 ohm load

Calibration Coefficients Using
Cal Substrate: CS-5

OPEN (on open pad)

$C_0 = 6.5 \text{ fF}$ or
Offset Length = $98 \mu\text{m}$ or
Offset Delay = 0.327 ps

SHORT (on short bar)

$L_0 = 8.8 \text{ pH}$ or
Offset Length = $53 \mu\text{m}$ or
Offset Delay = 0.177 ps or
[Offset $Z_0 = 500 \text{ ohm}$ with
Offset Delay = 0.018 ps]

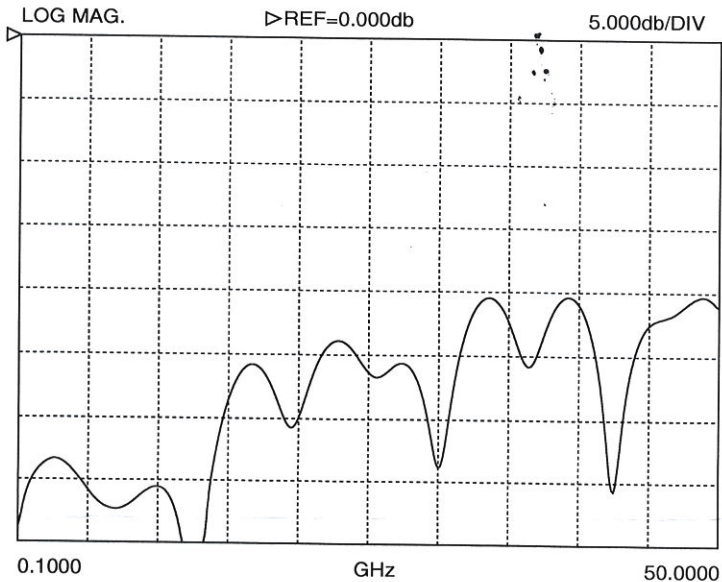
LOAD (on 50 ohm load pad)

1.6 fF or
 -4.0 pH or
[Offset $Z_0 = 5 \text{ ohm}$ with
Offset Delay = 0.008 ps]

Bottom Graph: Insertion Loss

Maximum insertion loss for
this probe is -0.77 db

S11 FORWARD REFLECTION



S21 FORWARD TRANSMISSION

