

# Picoprobe®

BY GGB INDUSTRIES INC.

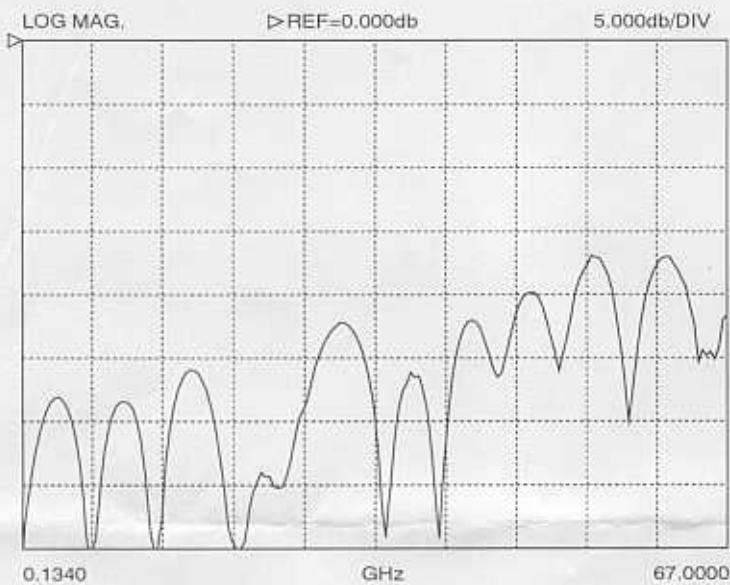
Probe Serial #: 78955

Part #: 67A-GSG-100-P

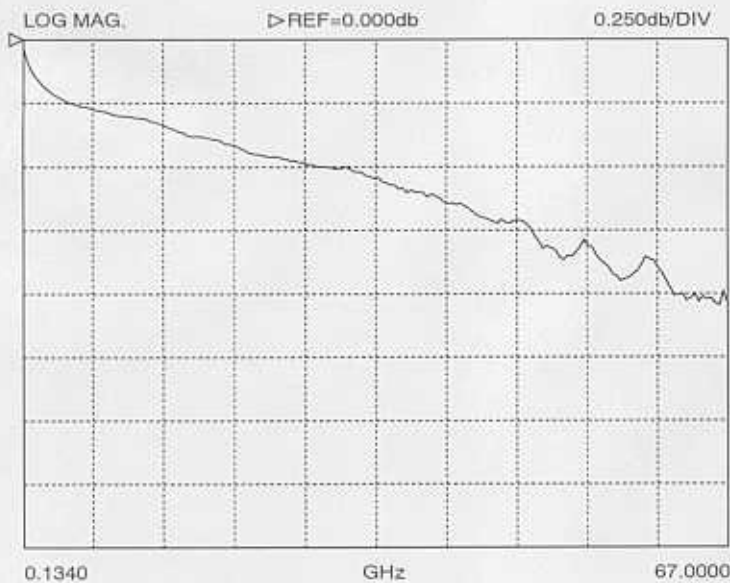
Uncalibrated Performance

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  $\mu\text{m}$  or  
Offset Delay = 0.327 ps

#### SHORT (on short bar)

$L_0 = 5.0 \text{ pH}$  or  
Offset Length = 30  $\mu\text{m}$  or  
Offset Delay = 0.100 ps or  
[Offset  $Z_0 = 500 \text{ ohm}$  with  
Offset Delay = 0.01 ps]

#### LOAD (on 50 ohm load pad)

3.1 fF or  
-7.8 pH or  
[Offset  $Z_0 = 5 \text{ ohm}$  with  
Offset Delay = .015 ps]

Bottom Graph: Insertion Loss

Maximum insertion loss for this probe is -1.05 db

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[Offset  $Z_0 = 500$  ohm with  
Offset Delay = 0.01 ps]

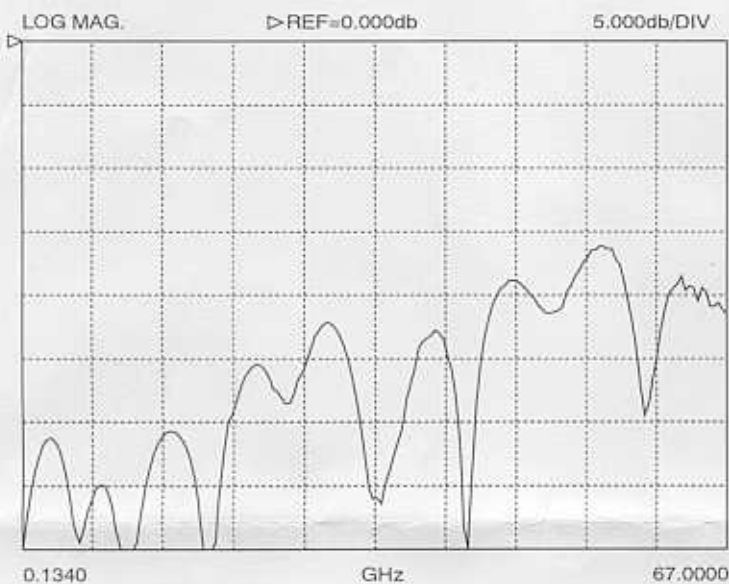
LOAD (on 50 ohm load pad)

3.1 fF or  
-7.8 pH or  
[Offset  $Z_0 = 5$  ohm with  
Offset Delay = .015 ps]

Bottom Graph: Insertion Loss

Maximum insertion loss for  
this probe is -1.06 db

S11 FORWARD REFLECTION



S21 FORWARD TRANSMISSION

