

# Picoprobe®

BY GGB INDUSTRIES INC.

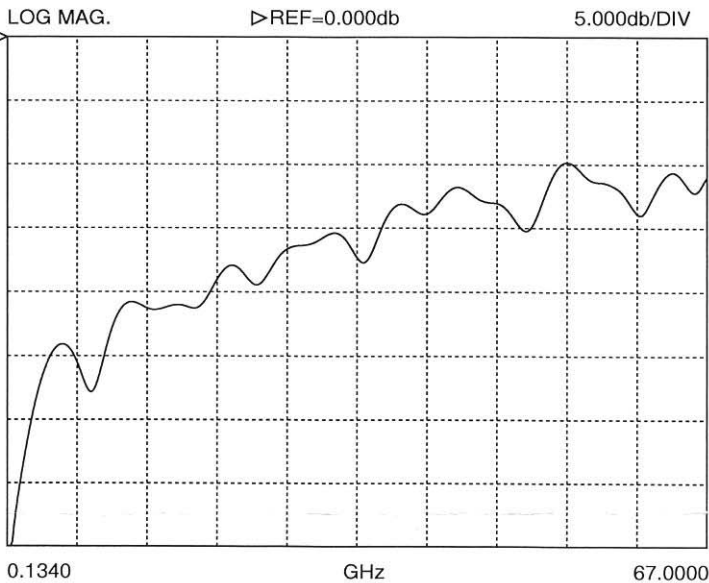
Probe Serial #: 1LV99

Part #: 67A-SG-100-P

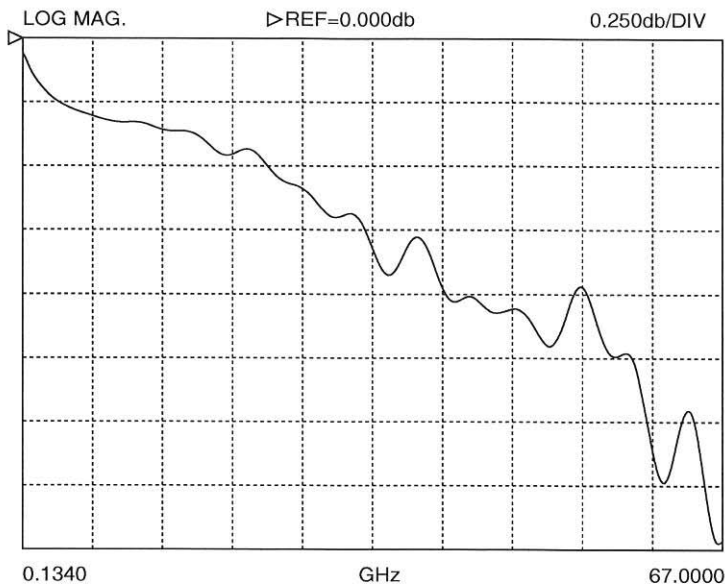
Uncalibrated Performance

Top Graph: Return Loss into a 50 ohm load

S11 FORWARD REFLECTION



S21 FORWARD TRANSMISSION



### Calibration Coefficients Using Cal Substrate: CS-8

#### OPEN (on open pad)

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

#### SHORT (on short bar)

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

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

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

Bottom Graph: Insertion Loss

Maximum insertion loss for this probe is  $-1.97 \text{ db}$