



Advanced Test Equipment Corp.
www.atecorp.com 800-404-ATEC (2832)

SOLAR ELECTRONICS COMPANY

A Division of A. T. Parker Inc.

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PAGES: 2
DATE: 9/25/03
COMPANY: Advanced Test Equipment
COMPANY FAX: 1(858)558-6570
ATTENTION: Jim Tighe

FROM: Scott McDonald
REF: 9719-IN calibration in 300 ohm loop
COMMENT:

The network analyzer was set up to be a 150 ohm system by placing a 100 ohm resistor in series with the 50 ohm generator and a 100 ohm resistor in series with the 50 ohm receiver (300 ohm loop) and normalized. Next, the current probe, in a calibration fixture, was inserted. The signal generator was then connected to the connector on the injection probe. A 150 ohm resistor was placed in shunt with one end of the fixture and a 100 ohm resistor was placed in series with the receiver and connected to the other end of the calibration fixture completing the 300 ohm loop.

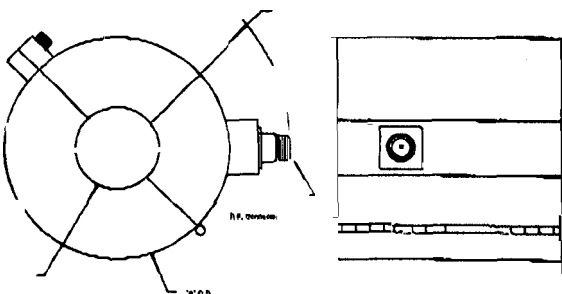
I hope this help,
Scott McDonald

Please visit our Web page (www.solar-eme.com)

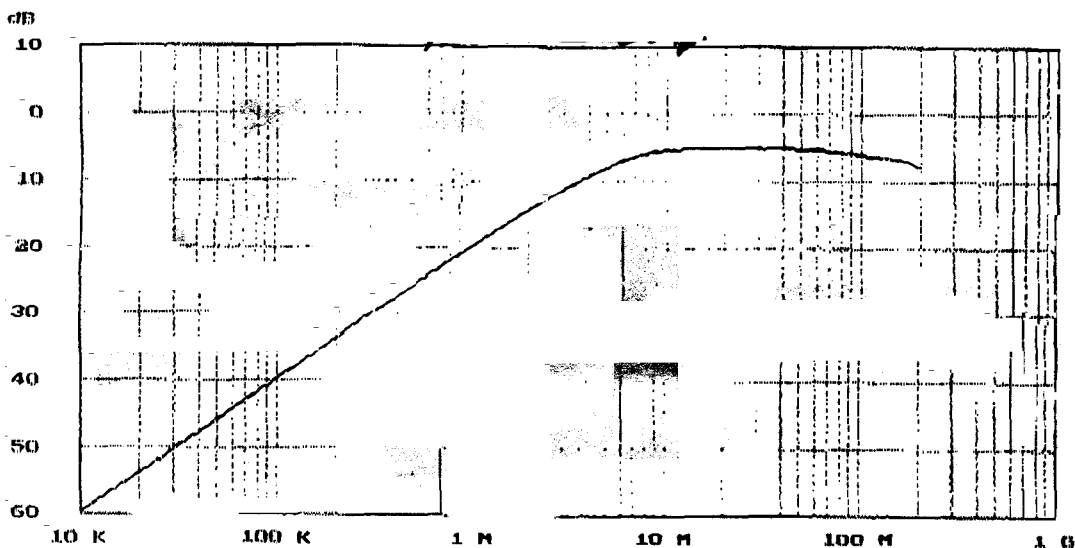
SOLAR TYPE 9719-1 N INJECTION PROBE.

Specifications:

Frequency range:	10 kHz to 350 MHz
Maximum input power:	200 watts
Maximum input current:	60 Amperes
Maximum time for continuous rating at full power:	30 minutes
Recommended maximum temperature rise:	35 degrees C
Maximum core temperature:	80 degrees C
Turns ratio:	1:1
Input receptacle:	Female
Weight:	3,75kg (8.8 lbs.)
Fastening:	Thumb Screw
Dimensions:	



A:	4.25"	(108.0mm)
B:	4.92"	(125.0mm)
C:	1.125"	(28.58mm)
W:	1.50"	(38.0mm)



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SOLAR TYPE 9719-1N BULK CURRENT INJECTION PROBE
Insertion loss measured in a 300 ohm loop.

9/25/03
PROTO
S. E. McD.

SOLAR ELECTRONICS CO.

