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MODEL AVX-D-4A-PS-OP1-LIB, S/N 8132

UPDATED CALIBRATION DATA – FEB 26/04

All time intervals are measured with the HP5370A Time Interval Counter, using 10000 averaged samples. Delays are measured between the rising edge of the "IN" pulse and the rising edge of the "A" or "B" output pulse. All jitter measurements were performed with the HP5370A, using the standard deviation of 10000 samples. The delay generator is triggered with a AV-1000-C pulse generator, at 10kHz.

The delay generator settings were programmed from the GPIB.

	<u>Setting</u> (us)	<u>Measured</u> (us)	<u> Measured Deviation </u> (us)	<u>Allowed Deviation</u> (us)	<u>RMS Jitter</u> (ps)
<u>Delay</u>	1.500	1.51	0.01	0.12	64
with	5.000	4.96	0.04	0.18	140
A=5	10.00	10.00	0.00	0.25	233
B=5	15.00	14.96	0.04	0.33	327
	20.00	19.96	0.04	0.40	440
	25.00	25.00	0.00	0.48	538
	30.00	30.00	0.00	0.55	642
<u>PW A</u>	0.500	0.492	0.008	0.040	60
with	1.000	1.020	0.020	0.055	70
D=1.5	2.00	2.070	0.070	0.085	84
B=5	3.00	3.071	0.071	0.115	104
	4.00	4.043	0.043	0.145	126
	5.00	4.956	0.044	0.175	114
<u>PW B</u>	0.500	0.496	0.004	0.040	55
with	1.000	1.025	0.025	0.055	68
D=1.5	2.00	2.074	0.074	0.085	83
A=5	3.00	3.075	0.075	0.115	98
	4.00	4.045	0.045	0.145	118
	5.00	4.965	0.035	0.175	174