

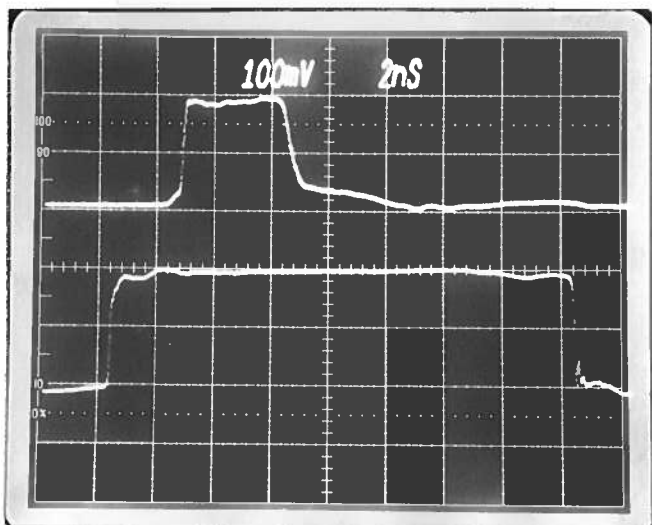
PULSE GENERATOR

PERFORMANCE CHECK

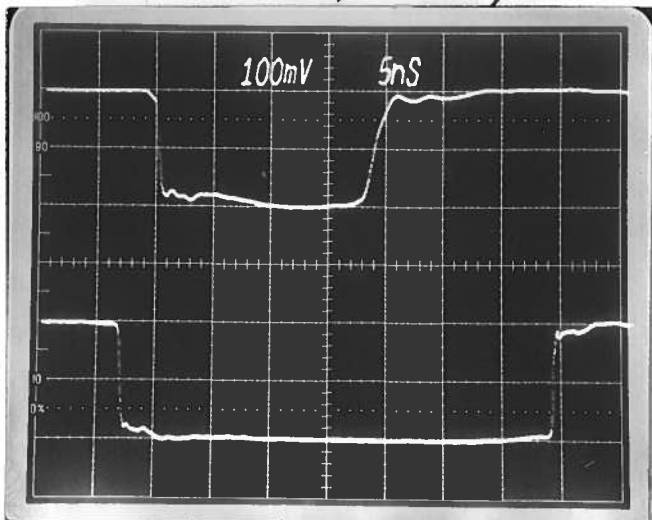
Model: *MPP-2-B-P-PN-M-0T*

S.N.: *10141*

Date: *MAR 28 2002*



*Ⓐ POS OUT, TOP 2 NS/DIV
BOT 5 NS/DIV*



*Ⓑ NEG OUT, TOP: 2 NS/DIV
BOT: 5 NS/DIV*

*100 KHz PkF,
40 dB ATTN.*

- a) Output signal amplitude:
*0 TO ± 20 VOUT
(TO 50V)*
- b) Pulse width:
0.4 NS TO 100 NS
- c) Rise time:
≤ 200ps
- d) Fall time:
≤ 300ps
- e) PRF:
0 TO 100 KHz.
- f) Jitter, stability:
OK
- g) Prime power:
*120/240V
50-60 Hz.*



P.O. BOX 265
 OGDENSBURG, NY
 U.S.A. 13669-0265
 TEL: (315) 472-5270
 FAX: (613) 226-2802

TEL: 1-800-265-6681
 FAX: 1-800-561-1970

e-mail: info@avtechpulse.com
 http://www.avtechpulse.com

P.O. BOX 5120 STN. F
 OTTAWA, ONTARIO
 CANADA K2C 3H4
 TEL: (613) 226-5772
 FAX: (613) 226-2802

"-B" Functional Test & Calibration Certificate

Date of test:	March 28, 2002				Tester:	MJC
Programmed model name:	AVPP-2-B-P-PN-M-OT					
Programmed serial number:	10141					
Firmware revision:	2.38					
Temp, RH:	24.4°C, 20.0%					
Internal trigger checked at:	1 Hz	100 Hz	1 kHz	10 kHz	100 kHz	
Actual measured output ¹ :	0.998 Hz	99.8 Hz	0.998 kHz	9.99 kHz	100.1 kHz	
External trigger checked:	yes			Gate checked:	yes	
Manual trigger checked:	yes					
Pulse compression checked:	yes			Low Amplitude PW Distortion Nulled:	N/A	
Pulse width checked at:	1 ns	10 ns	100 ns	100 kHz, +20V to 50 Ohms		
Actual measured output ² :	1.1 ns	10.6 ns	101 ns			
PWin = PWout mode checked:	N/A			DC mode checked:	N/A	
Duty Cycle Limit:	N/A					
Delay nulled:	yes, at TTL trigger point					
Delay checked at:	100 ns	200 ns	500 ns	TTL trig to SYNC		
Actual measured output ¹ :	100.3 ns	201.6 ns	506 ns			
Double pulse checked:	N/A					
Invert mode checked:	N/A					
ECL/TTL modes checked:	N/A					
Zout switch checked:	N/A					
Amplitude checked at:	+20V, 6 ns	+20V, 60 ns	-20V, 6 ns	-20V, 60 ns	100 kHz, to 50 Ohms	
Actual measured output ² :	+20V	+20V	-20V	-20V		
Amplitude polarity:	+/-					
Zout calibration:	N/A					
Electronic amplitude control:	N/A					
External amplify mode:	N/A					
Ultraviolet flux removed:	N/A					
Monitor V/I Ratio:	N/A			Monitor offset nulled:		
LCD Monitor calibrated:	N/A					
Offset checked at:	-5V	0V	+5V	into 50 Ohms		
Actual measured output ² :	-4.99V	0.00V	+5.00V			
Offset nulled (output on):	yes			Amplitude-dependent offset nulled:	N/A	
Offset nulled (output off):	N/A					
RS-232 checked:	yes					
Sync pulse width checked:	200 ns nom					
Circuit Boards:	PS:	93	Main:	108E		
Overload Trigger Resistance:	Trips at:	N/A	Installed:	N/A		
DC fuses:	Positive:	N/A	Negative:	N/A		
AC Current at 115 VAC:	Quiescent:	0.47A	Max. Load:	0.50A		
AC fuse:	1A					
120/240V operation:	OK			Fan operational:	yes	
Photographed:	yes					

¹ Checked with: Fluke PM6681 Counter (S/N 9446 066 81016), referenced to Datum ExacTime 9390-6000 (S/N 4461) GPS Frequency Reference

² Checked with: Tektronix TDS3052 digital oscilloscope (S/N B014783) for PW ≥ 5 ns, Tektronix 7704A/7S11/7T11/S4 sampling oscilloscope system (Cal. Label 112506) for PW < 5 ns.