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SINCE 1975

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DATA SHEET

MODEL AVR-3-PW-C-P-TEK2

Model AVR-3-PW-C-P-TEK2 is a special order item which was custom designed for Tektronix. Specifications are as follows:

Model designation:	AVR-3-PW-C-P-TEK2
Description:	<p>The AVR-3-PW-C-TEK2 generates a 10 ns rise time voltage pulse (0 to +250 Volts, 0.25 to 250 μs), which is accessible at the front panel OUT terminal. A shorting bar is connected between the OUT and IN terminals and the current probe is placed over the shorting bar. The IN terminal connects to ground via a 50 Ohm termination. A variable current of up to 5.0 Amperes is defined by the 250 Volt pulse and the 50-Ohm termination.</p> <p>For other applications, the OUT terminal may be used to pulse a user-supplied 50 Ohm load, if desired. In this case, the shorting bar and the "IN" terminal are not used.</p>
Output Amplitude:	0 to +250 Volts to $R_L \geq 50$ Ohms (ie 5 amperes peak current). Ten-turn locking dial control.
Output pulse width:	250 ns to 250 μ s. 3-position range switch and ten-turn fine control.
Output connectors:	Two SMA connectors. Output Shorting bar connects between two connectors. Tektronix probe clips over this shorting bar.
Rise, fall time:	≤ 10 ns
Max duty cycle:	0.25 % (eg PRF max 25 Hz for PW=250 μ s).
Overshoot at max output:	$\leq 5\%$
Droop (at max pulse width)	$\leq 2\%$
Chassis:	3.9" x 17" x 14.8"
Other:	See standard AVR-3-C, pages 43 and 44 Cat. No. 11

Model AVR-3-PW-C-TEK2 is modelled on our standard product model AVR-3-C-P (see Cat 11 pages 43 and 44 or <http://www.avtechpulse.com/speed/avr-3/>).