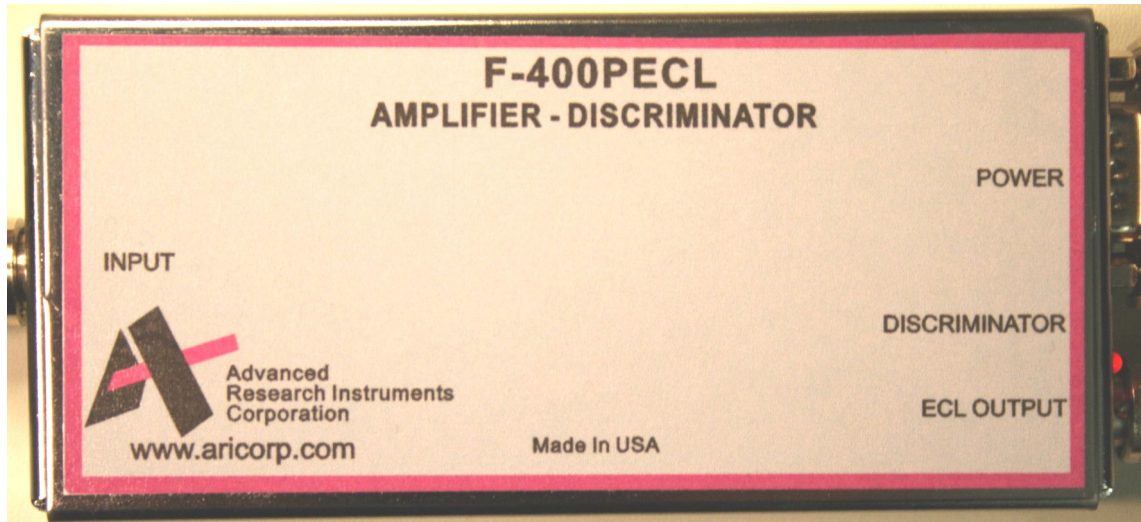




ADVANCED
RESEARCH INSTRUMENTS
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F-400PECL SPECIFICATIONS

Input range	5 mV to 1 V
Input charge sensitivity	<0.1 pC
Linear section gain	20 dB
Noise referred to input	N/A
Input pulse polarity	Negative
Input over voltage protection	Standard
Input connector	BNC
Threshold adjustment range	8 mV to 1.5 V
Maximum pulse repetition rate	>400MHz
Pulse pair resolution	< 2.5 ns
Minimum output pulse width	2 ns (standard)
Maximum input signal rise time	< 5 ns
Input to output propagation delay	4.2 ns
Output signal	+1.5 to +2.4V (PECL)
Output impedance	50Ω Requires 50Ω term. to +1.5V
Power connector and signal	9 pin mini D type
Second Output Signal	Twin-BNC
Power requirements	±15 VDC/150 mA
Physical size	2.5" x 5" x 1.1"