

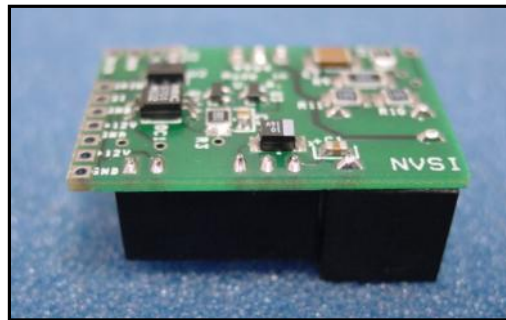


# SYNTRONICS

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## MINI-BOARD



**Image Intensifier Photocathode Gate Amp Model #9903SM**

<u>SIGNAL</u>	<u>MINIMUM</u>	<u>TYPICAL</u>	<u>MAXIMUM</u>	<u>REMARKS</u>
Gate on	-150V	-180V	-200V	relative to MCP in
Gate off	+40V	+40V	+100V	relative to MCP in
Rise/fall time	2ns	5ns	10ns	
Gate interval	20ns		DC	
Signal input		TTL Level, High=ON		
Duty factor		No Limits		
Repetition rate		60Hz	300KHz	
Gate to output delay	100ns	130ns	150ns	
Power in	+11.5VDC	+12VDC	+12.5VDC	also +5, +15, +24
Current in	130mA	140mA	350mA	max @ 300KHz
+3V output		Nominal +3VDC @ 160mA max		for intensifier supply
Operating temperature	-20°C		+70°C	
Storage temperature	-55°C		+125°C	
Nominal size		1.5" x 2" x 0.75"		
Board size		1" x 1.5" x .54"		two-sided surf. mount

