

**MII MIDA 20000 Series 0.5 – 18GHz
Broad Band Pseudo Successive
Detector Log Video Amplifiers
(PSDLVAs)**

Pseudo SDLVA Specifications

- Features: ■ Fast Pulse Response
 ■ Excellent Tangential Sensitivity
 ■ Good Log Linearity
 ■ Stable Output Offset Voltage



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MIDA - 20000 Series		Video Output			RF Port			DC Power Consumption (No RF Signal)		Case Options
MII Model Number	Frequency Range (GHz) Min.	TSS (dBm)	Log Range (dBm)	Linearity (+/- dB) Any Freq.	Frequency Flatness (+/- dB) (Small Signal)	VSWR I/O Max.	Psat (dBm) Typ.	+12V to +15V Max.	-12V to -15V Max.	SKC-
+25 °C										
MIDA-PS20520N	0.5 – 2.0	-74	-70 to 0	1.5	2.0	2.0:1/2.0:1	+5	200	180	PS1, PSA, B
MIDA-PS20560N	0.5 – 6.0	-73	-70 to 0	2.0	3.0	2.2:1/2.2:1	+5	200	180	PS1, PSA, B
MIDA-PS22060N	2.0 – 6.0	-73	-70 to 0	1.5	2.0	2.2:1/2.2:1	+5	200	180	PS1, PSA, B
MIDA-PS22080N	2.0 – 8.0	-72	-70 to 0	2.0	2.5	2.2:1/2.2:1	+5	220	180	PS2, PSA, B
MIDA-PS28018N	8.0 – 18.0	-71	-68 to +2	1.5	2.0	2.2:1/2.2:1	+7	250	180	PS3, PSA, B
MIDA-PS26018N	6.0 – 18.0	-71	-68 to +2	2.0	2.5	2.2:1/2.2:1	+7	250	180	PS3, PSA, B
MIDA-PS22018N	2.0 – 18.0	-67	-65 to +5	2.5	4.0	2.5:1/2.5:1	+5	300	200	PS3, PSA, B
-25 °C to +75 °C										
MIDA-PS20520T	0.5 – 2.0	-74	-70 to 0	2.0	2.5	2.0:1/2.0:1	+5	200	180	PS1, PSA, B
MIDA-PS20560T	0.5 – 6.0	-73	-70 to 0	2.5	3.5	2.2:1/2.2:1	+5	200	180	PS1, PSA, B
MIDA-PS22060T	2.0 – 6.0	-73	-70 to 0	2.0	2.5	2.2:1/2.2:1	+5	200	180	PS1, PSA, B
MIDA-PS22080T	2.0 – 8.0	-72	-70 to 0	2.5	3.0	2.2:1/2.2:1	+5	220	180	PS2, PSA, B
MIDA-PS28018T	8.0 – 18.0	-71	-68 to +2	2.0	2.5	2.2:1/2.2:1	+7	250	180	PS3, PSA, B
MIDA-PS26018T	6.0 – 18.0	-71	-68 to +2	2.5	3.0	2.2:1/2.2:1	+7	250	180	PS3, PSA, B
MIDA-PS22018T	2.0 – 18.0	-67	-65 to +5	3.0	4.5	2.5:1/2.5:1	+5	300	200	PS3, PSA, B
General Specifications: Rise Time: 15ns Max. (10ns Typ.) Recovery Time: 100ns Max. (60ns Typ.) Video Load: 50Ω Or 100Ω Delay Time: 15ns Max. (10ns Typ.) Log Slope: 25mB/dB Nominal Variation Of Delay Time Over Input Power: +/-3ns										