



Planar Monolithics Industries, Inc.

Ultra-Fast Log Video Amplifiers

PMI offers a variety of Fast Log Video Amplifiers (SDLVAs) covering up to 40 GHz frequency range. Designed using cutting edge GaAs technology, which provides stunning performance and reliability. PMI offers many standard models with various options that are available at:

<https://www.pmi-rf.com/categories/dlvas-erdlvas-sdlvas>



SDLVA-0120-70-100M2G-10DBM

SDLVA-07103-70-LA3

SDLVA-0R71R3-75-MEC

SDLVA-1G20G-55-12-SFF
SDLVA-1G20G-58-12-SFF

SDLVA-2G6G-70-CD-1

PMI Model No.	Frequency Range (GHz)	TSS (dBm)	Log Slope (mV/dB)	Rise / Fall Time (ns)	Recovery (ns)	Dynamic Range Log (dBm)	Size (Inches) Connectors
SDLVA-0120-70-100M2G-10DBM https://www.pmi-rf.com/product-details/sdlva-0120-70-100m2g-10dbm	0.1 - 2	-65	25	25 / 30	40	-65 to +5	3.75" x 1.5" x 0.5" SMA (F)
SDLVA-07103-70-LA3 https://www.pmi-rf.com/product-details/sdlva-07103-70-la3	0.75 - 1.25	-70	30 ± 5%	25 / 30	50	-65 to +5	1.3" x 0.95" x 0.27" GPO (Full Detent)
SDLVA-0R71R3-75-MEC https://www.pmi-rf.com/product-details/sdlva-0r71r3-75-mec	0.75 - 1.3	-70	40	15 / 15	40	-70 to +5	3.75" x 1.5" x 0.5" SMA (F)
SDLVA-1G20G-55-12-SFF https://www.pmi-rf.com/product-details/sdlva-1g20g-55-12-sff	1 - 20	-58	50	5 / 20	28	-55 to +5	PE2 Housing 1.08" x 0.71" x 0.29" Removable SMA (F)
SDLVA-1G20G-58-12-SFF https://www.pmi-rf.com/product-details/sdlva-1g20g-58-12-sff		-60	14			-54 to +5	
SDLVA-2G6G-70-CD-1 https://www.pmi-rf.com/product-details/sdlva-2g6g-70-cd-1	2 - 6	-70	40	15 / 25	50	-65 to +5	3.75" x 1.5" x 0.5" SMA (F)
SDLVA-212-65-16MV-12DBM https://www.pmi-rf.com/product-details/sdlva-212-65-16mv-12dbm	2 - 12.5	-64	16.7 ± 1.3	10 / 12	30	-55 to +10	4.24" x 0.994" x 0.38" SMA (F)
SDLVA-218-65-16MV-12DBM https://www.pmi-rf.com/product-details/sdlva-218-65-16mv-12dbm	2 - 18	-64	16 ± 2	10 / 15	30	-55 to +10	4.24" x 0.994" x 0.38" SMA (F)
SDLVA-218-75-16MV-12DBM https://www.pmi-rf.com/product-details/sdlva-218-75-16mv-12dbm					25	-60 to +15	
SDLVA-6G18G-CD-2-OPT218 https://www.pmi-rf.com/product-details/sdlva-6g18g-cd-2-opt218	2 - 18	-70	25 ± 10% 50 Ohms	10 / 30	60	-70 to +5	3.2" x 1.8" x 0.4" SMA (F)
SDLVA-6G18G-CD-2 https://www.pmi-rf.com/product-details/sdlva-6g18g-cd-2	6 - 18	-70	25 ± 10% 50 Ohms 48 ± 10% No Load	10 / 30	60	-70 to +5	3.2" x 1.8" x 0.4" SMA (F)
PLVA-6G18G-40-1 https://www.pmi-rf.com/product-details/plva-6g18g-40-1	6 - 18	-42	50 ± 4%	20 / 45	150	-40 to 0	2.2" x 1.5" x 0.4" SMA (F)
SDLVA-18G40G-65-CD-292FF https://www.pmi-rf.com/product-details/sdlva-18g40g-65-cd-292ff	18 - 40	-65	25	11 / 30	60	-63 to +2	2.37" x 1.8" x 0.42" 2.92mm (F)



SDLVA-212-65-16MV-12DBM

SDLVA-218-65-16MV-12DBM
SDLVA-218-75-16MV-12DBM

SDLVA-6G18G-CD-2
SDLVA-6G18G-CD-2-OPT218

PLVA-6G18G-40-1

SDLVA-18G40G-65-CD-292FF

- Amplifiers - Solid State
- Attenuators - Variable/Programmable
- Bi-Phase Modulators
- Couplers (Quadrature, 180, Directional)
- Detectors - RF / Microwave
- DLVAs, ERLDVAs & SDLVAs
- Filters & Switched Filter Banks
- Form, Fit, Functional Products & Services
- Frequency Converters
- Frequency Sources
- Frequency Discriminators & IFM
- Frequency Synthesizers
- Gain & Loss Equalizers
- Integrated MIC/MMIC Assemblies (IMAs)
- IQ Vector Modulators
- Limiters - RF / Microwave
- Log Amps
- Miscellaneous Products
- Monopulse Comparators
- Multifunction Integrated Assemblies (IMAs)
- Phase Shifters & Bi-Phase Modulators
- Power Dividers/Combiners (Passive & Active)
- Pulse Modulators - SP1T
- Rack & Chassis Mount Products
- Receiver Front Ends & Transceivers
- Single Side Band Modulators
- SMT & QFN Products
- Switch Matrices
- Switch Filter Banks
- Switches - Solid-State
- Systems - Radar Sense & Avoid
- Systems - Fly Eye Radar
- Threshold Detectors
- USB Products



West Coast Operation:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 USA
Tel: 916-542-1401, Fax: 916-265-2597

East Coast Operation:
7311-F Grove Road
Frederick, MD 21704 USA
Tel: 301-662-5019, Fax: 301-662-1731

sales@pmi-rf.com . www.pmi-rf.com
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