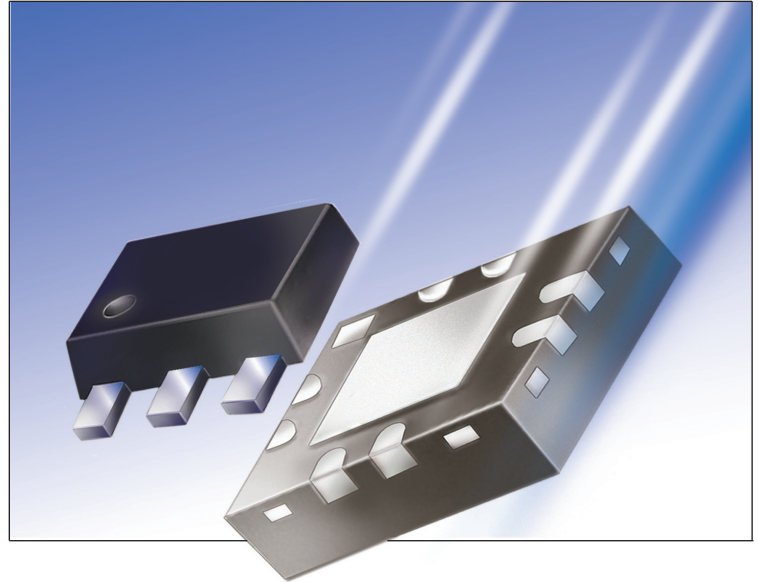


MINI-CIRCUITS DESIGNER'S KITS
SPEED UP
 THE SOLUTION!



50 MHz to 18 GHz with just 2 models!

Features: PHA-1+

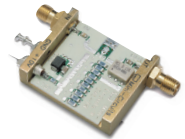
- 0.05-6 GHz
- Gain 13.5 ± 4 dB
- Ultra High IP3, 42 dBm
- P1dB, 22.2 dB typ.
- SOT-89 package

AVA-183A+

- 5-18 GHz
- Very Flat Gain, 13.6 ± 1 dB
- High Reverse Isolation, 31-42 dB
- P1dB, 19 dB
- 3 x 3 mm package

No External Matching Components Required

- Low Power Consumption
- Low Thermal Resistance
- 5V DC Power Supply



Evaluation boards available.
 See individual model data sheets.

RoHS compliant

Kit K1-AVA+ Electrical specifications of each model (2 models, 10 of each, 20 total)

Model	Freq. GHz f _L -f _U	Gain (dB Typical) at frequency, GHz							Max. Pwr. (dBm)		Dynamic Range ¹		Return Loss (Typ.)		DC Operating Power		Therm. Resist.
		(PHA-1+ frequency range) (AVA-183A+ frequency range)							Output ¹ (1 dB Comp.)		NF (dB) Typ.	IP3 (dBm) Typ.	In	Out	Current (mA)	Voltage (V)	θ _{jc} Typ. (°C/W)
		0.5	0.8	2	3	4	6	-	Typ.	Min.							
PHA-1+	0.5-6	17.2	15.7	13.5	11.8	10.7	9.7	-	22.4	20.0	2.2	42.0	11	15	146	5.0	60
AVA-183A+	5-18	12.9	14.7	14.0	13.4	13.1	13.6	12.4	19.0	16.0	4.5	27.7	14	13	131	5.0	61

All data at 25°C, with 5V DC power supply, unless noted.

1. Model PHA-1+ at 2 GHz, model AVA-183-A+ at 10 GHz.



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see minicircuits.com

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