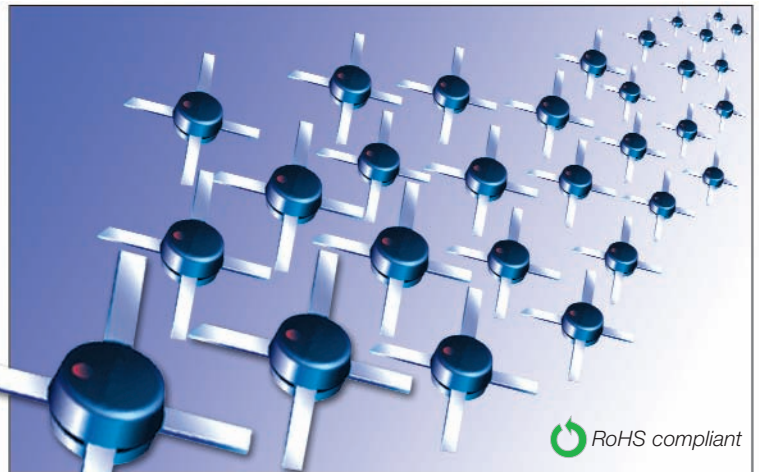


MINI-CIRCUITS DESIGNER'S KITS
SPEED UP
THE SOLUTION!



RoHS compliant

DC to 8 GHz

ERA+ Features

- Wideband, 50 Ω
- Up to 13.0 dBm typ. output power
- Low thermal resistance
- Miniature microwave amplifier
- Plastic drop-in package
- Usable to 10 GHz

only **\$49⁹⁵** ea. kit (3 models, 10 of each, 30 total)



Kit K1-ERA+ Electrical specifications of each model

Evaluation boards available, \$79.95
See individual model data sheets.

Model	Freq. (GHz) ▲ f_L - f_U	Gain, (dB) Typical								Max. Pwr. (dBm) @ 2 GHz		Dynamic Range @ 2 GHz		VSWR (:1) Typ.				Absolute Max. Rating ¹		DC ² Operating Power @ pin 3			Therm. Resist.	Evaluation Board		
		over frequency, GHz								Output (1 dB Comp.)	Input ¹	NF (dB) Typ.	IP3 (dBm) Typ.	In DC-3 GHz	3- f_U GHz	Out DC-3 GHz	3- f_U GHz	I (mA)	P (mW)	Current (mA)	Device Volt. Typ.	Min.			Max.	θ_{jc} Typ. °C/W
ERA-1+	DC-8	12.3	12.1	11.8	10.9	9.7	7.9	8.2	9	12.0	10.0	15	4.3	26	1.5	1.8	1.5	1.9	75	330	40	3.4	3.0	4.1	178	TB-431-1+
ERA-2+	DC-6	16.2	15.8	15.2	14.4	13.1	11.2	-	13	13.0	11.0	15	4.0	26	1.3	1.4	1.2	1.6	75	330	40	3.4	3.0	4.1	155	TB-431-2+
ERA-3+	DC-3	22.1	21.0	18.7	16.8	-	-	-	16	12.5	9.0	13	3.5	25	1.5	-	1.4	-	75	330	35	3.2	3.0	4.1	154	TB-431-3+

Protected under U.S. Patent 6,943,629

▲ Low frequency cutoff determined by external coupling capacitors. f_U is the upper frequency limit for each model.

1. Permanent damage may occur if any of these limits are exceeded. These ratings are not intended for continuous normal operation.

2. Supply voltage must be connected to pin 3 through a bias resistor in order to prevent damage. See "Biasing MMIC Amplifiers" at minicircuits.com/applications.shtml. Reliability predictions are applicable at specified current and normal operating conditions.

