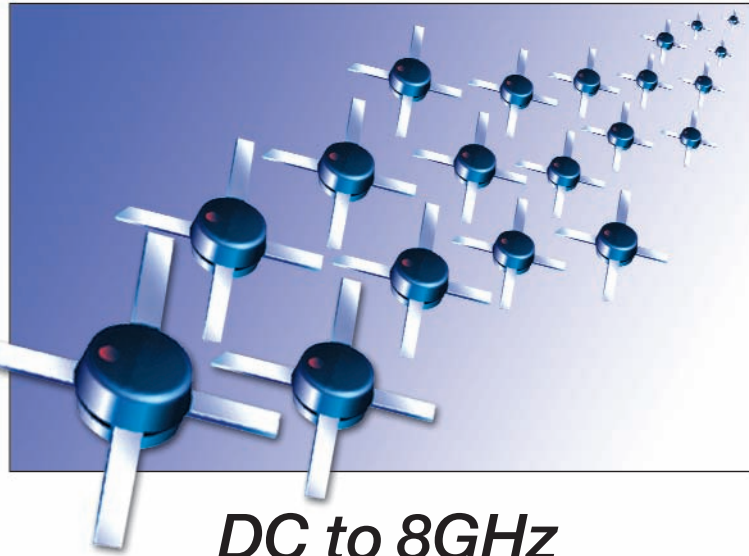


MINI-CIRCUITS DESIGNER'S KITS
SPEED UP
 THE SOLUTION!



DC to 8GHz

ERA+ Features

- Wideband, 50Ω
- Up to 18.4dBm typ. output power
- Low thermal resistance
- Miniature microwave amplifier
- Plastic drop-in package
- Low cost



All models are
RoHS compliant

\$69⁹⁵
 only *ea. kit (2 models, 10 of each, 20 total)*

Kit K2-ERA+ Electrical specifications of each model

Model	Freq. GHz ▲ f _L -f _U	Gain, dB Typical						Max. Pwr. (dBm) @ 1GHz		Dynamic Range @ 1GHz		VSWR (:1) Typ.				Absolute Max. Rating ¹		DC ² Operating Power @ pin 3				Therm. Resist.	
		over frequency, GHz						Output (1dB Comp.) Typ.	Input ¹ Min.	NF Typ.	IP3 (dBm) Typ.	In		Out		I (mA)	P (mW)	Current (mA)	Device Volt.			θ _{jc} Typ. °C/W	
		0.1	1	2	3	4	Min@ 2GHz					DC-3 GHz	3-4 GHz	DC-3 GHz	3-4 GHz				Typ.	Min.	Max.		
ERA-4+	DC-4	14.3	14.0	13.4	12.7	11.8	11	17.3	15.0	20.0	4.2	34.0	1.2	1.2	1.3	1.8	120	650	65	4.5	4.2	5.5	163
ERA-5+	DC-4	20.2	19.5	17.6	15.6	14.0	16	18.4	16.5	13.0	4.3	32.5	1.3	1.3	1.2	1.3	120	650	65	4.9	4.2	5.5	133

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.



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For quick access to product information see MINI-CIRCUITS CATALOG & WEB SITE

RF/IF MICROWAVE COMPONENTS