



DC to 8 GHz

ERA+ Features

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



Evaluation boards available.
See individual model data sheets.

Kit K2-ERA+ Electrical specifications of each model (2 models, 10 of each, 20 total)

Model	Freq. GHz ▲ f _L -f _U	Gain, dB Typical						Max. Pwr. (dBm) @ 1 GHz		Dynamic Range @ 1 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.) Typ.	Input ¹ Min.	NF (dB) Typ.	IP3 (dBm) Typ.	In		Out		I	P	Current	Device Volt.			θ _{jc} Typ. °C/W		
		0.1	1	2	3	4	Min@ 2 GHz					DC-3 GHz	3-4 GHz	DC-3 GHz	3-4 GHz	(mA)	(mW)	(mA)	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	TB-431-4+
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	TB-431-5+

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Mini-Circuits:](#)

[K2-ERA+](#)