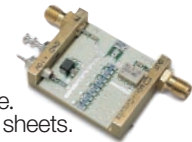


DC to 8 GHz

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					Min@ 2 GHz	Output (1 dB Comp.) Typ.	Input ¹ Min.	NF Typ.	IP3 (dBm) Typ.	In DC-3 GHz	3-4 GHz	Out DC-3 GHz	3-4 GHz	I (mA)	P (mW)	Current (mA)	Device Volt. Typ. Min. Max.		θ_{jc} Typ. °C/W			
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.

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