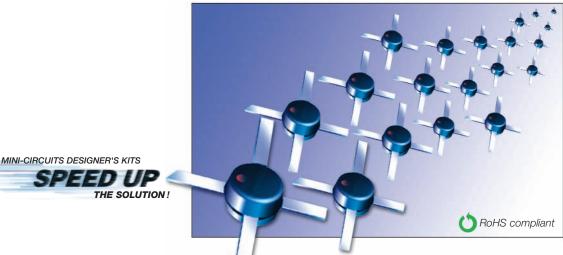
## **AMPLIFIERS**

## Designer's Kit K2-ERA+



DC to 8 GHz

## **ERA+** Features

- •Wideband, 50  $\Omega$
- •Up to 18.4 dBm typ. output power
- Low thermal resistance
- ·Miniature microwave amplifier
- •Plastic drop-in package
- Low cost



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

Model	Freq. GHz	Gair	n, dE	З Ту	pica	l	Max. Pwr. (dBm) @ 1 GHz			Ŕ	namic ange GHz	VSWR (:1) Typ.				N	olute lax. ting¹	DC <sup>2</sup> Operating Power			Therm. Resist.	Evaluation Board
	f <sub>L</sub> -f <sub>U</sub>	over freq 0.1 1	uenc 2	cy, G 3	Hz 4	Min@ 2 GHz	Outr (1 d Corr Typ.	B ip.)	nput <sup>1</sup>		IP3 (dBm) Typ.	l DC-3 GHz		DC-	Dut 3 3-4 z GHz	l (mA	P ) (mW)	Current (mA)		e Volt. in.Max.	θjc Typ. °C/W	
ERA-4+ ERA-5+	DC-4 DC-4	14.3 14.0 1 20.2 19.5 1			11.8 14.0	11 16		15.0 16.5	20.0 13.0	4.2 4.3	34.0 32.5	1.2 1.3	1.2 1.3	1.3 1.2		120 120	650 650	65 65	4.5 4. 4.9 4.		163 133	TB-431-4+ TB-431-5+

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

▲ Low frequency cutoff determined by external coupling capacitors. fu 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+