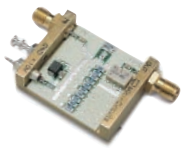
MINI-CIRCUITS DESIGNER'S KITS
SPEED UP
THE SOLUTION!

DC to 8 GHz

ERA-SM+ Features

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

only $49.95 ea. kit *(3 models, 10 of each, 30 total)*



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

Kit K1-ERASM+ Electrical specifications of each model

Model	Freq. (GHz) ▲	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							Min @ 2 GHz	Output (1 dB Comp.)		Input[1]	NF	IP3	In		Out								
	f_L-f_U	0.1	1	2	3	4	6	8		Typ.	Min.		(dB) Typ.	(dBm) Typ.	DC-3 GHz	3-f_U GHz	DC-3 GHz	3-f_U GHz	I (mA)	P (mW)	Current (mA)	Device Typ.	Volt. Min.	Volt. Max.	θjc Typ. °C/W	
ERA-1SM+	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	183	TB-408-1+
ERA-2SM+	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	160	TB-408-2+
ERA-3SM+	DC-3	22.1	21.0	18.7	16.8	-	-	-	16	12.5	9	13	3.5	25	1.5	-	1.4	-	75	330	35	3.2	3.0	4.1	186	TB-408-3+

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.

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