

## MINIATURE AMPLIFIERS

### WIDE BAND & TEMPERATURE COMPENSATED

KMIC TECHNOLOGY offers a wide range of miniature amplifiers for Military Electronic Warfare applications.

#### FEATURES:

- Small size/light weight
- Temperature Compensation over -54°C to +85°C
- Flat gain response
- Low DC power consumption
- MI-E-5400 environment

#### GURANTEED SPECIFICATIONS OVER -54°C to +85°C CASE TEMPERATURE

Model Number	Frequency Range (GHz)	Gain (dB min/max)	Gain Flatness (±dB max)	Noise Figure (dB max)	VSWR max in/out	Power @1dB (dBm min)	Intercept Point (dBm typ)	DC Power (Volts)	DC Power (mA)	OUTLINE DRAWING
<b>.5 TO 2 GHz</b>										
0520AF1	.5 – 2.0	19/23	1.3	4.5	2.0/2.0	+15	+24	+12	150	AK2
0520AF2	.5 – 2.0	29/33	1.5	4.5	2.0/2.0	+20	+29	+12	260	AK3
0520AF3	.5 – 2.0	40/45	1.7	4.0	2.0/2.0	+20	+29	+12	320	AK3
<b>2 TO 8 GHz</b>										
2080AF1	2 - 8	17/23	1.5	5.0	2.0/2.0	+15	+24	+12	150	AC1
2080AF2	2 - 8	30/36	2.0	5.0	2.0/2.0	+18	+27	+12	250	AC2
2080AF3	2 - 8	36/43	2.5	5.0	2.0/2.0	+22	+31	+12	400	AC3
<b>6 TO 18 GHz</b>										
60180AF1	6 - 18	14/20	1.5	6.0	2.0/2.0	+8	+17	+12	100	AK2
60180AF2	6 - 18	21/27	2.0	6.0	2.0/2.0	+14	+23	+12	200	AK3
60180AF3	6 - 18	26/33	2.5	6.0	2.0/2.0	+18	+27	+12	270	AK4
60180AF4	6 - 18	31/38	2.75	6.0	2.0/2.0	+21	+30	+12	370	AK4
<b>18 TO 26.5 GHz</b>										
180265AF1	18 – 26.5	14/20	1.5	8.0	2.0/2.0	+10	+19	+12	160	AK3
180265AF2	18 – 26.5	21/27	2.0	8.0	2.0/2.0	+10	+19	+12	240	AK4
180265AF3	18 – 26.5	31/38	2.5	8.0	2.0/2.0	+10	+19	+12	320	AK5
<b>26.5 TO 40 GHz</b>										
265400AF1	26.5 - 40	20/25	2.0	8.0	2.0/2.0	+12	+21	+12	300	AK2
265400AF2	26.5 - 40	30/35	2.5	8.0	2.0/2.0	+12	+21	+12	350	AK3
265400AF3	26.5 - 40	40/45	3.0	8.0	2.0/2.0	+12	+21	+12	400	AK4