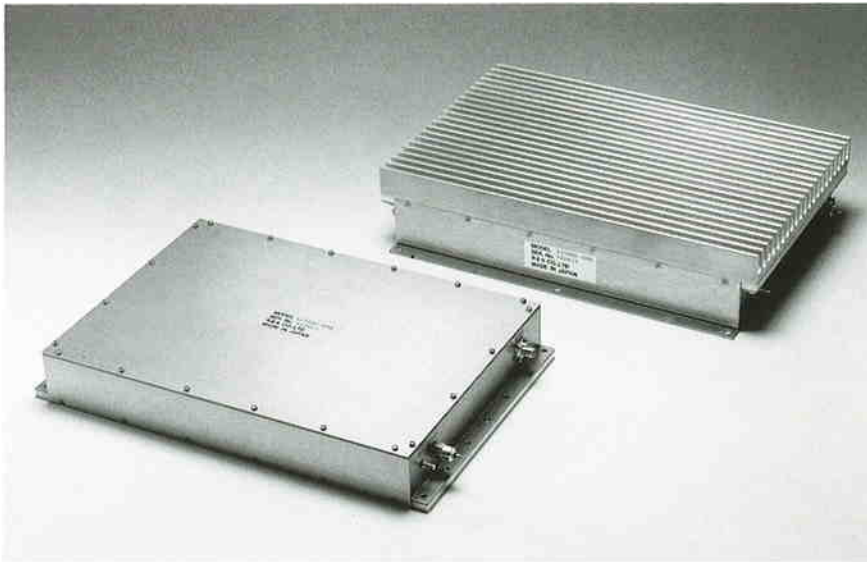




# MICROWAVE GaAs FET AMPLIFIER

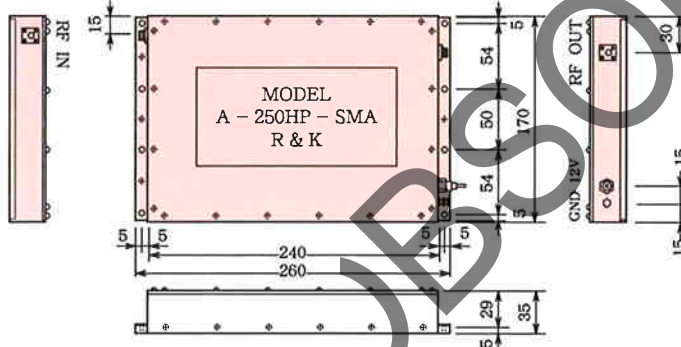
## MODEL R&K A250HP-SMA

(CONDUCTION COOLING STANDARD)  
HEAT SINK OPTION



- BROADBAND FREQUENCY : 300~2700MHz
- **HIGH POWER** : + 37dBm
- VERY FLAT RESPONSE : ± 1.5dB
- VERY LOW COST : @ ¥ 249,000 / 1K
- HEAT SINK & FORCED AIR COOLING REQUIRED
- OEM AVAILABLE

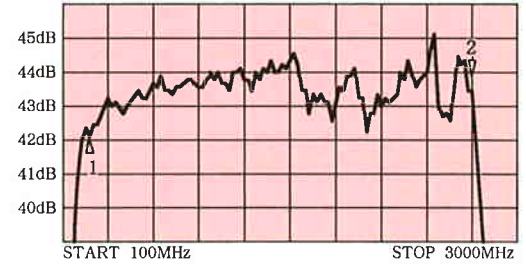
### DIMENSION



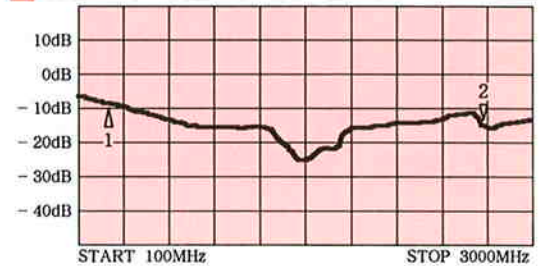
### GUARANTEED SPECIFICATIONS

	R & K A250HP - SMA
INPUT/OUTPUT FREQUENCY	300~2700MHz min.
SMALL SIGNAL GAIN	+ 42dB typ. + 40dB min.
GAIN FLATNESS	± 1.5dB typ. ± 2.0dB max.
OUTPUT POWER (@1dB Gain Comp.)	+ 32dBm min. 300~ 500MHz + 34dBm min. 500~1000MHz + 36dBm min. 1000~2700MHz
INPUT NOISE FIGURE	8.0dB typ.
IMPEDANCE (IN/OUT)	50 Ω
INPUT RETURN LOSS	≤ -13dB typ.
OUTPUT RETURN LOSS	≤ -17dB typ.
2tone - 3rd I.C.P. (OUTPUT)	+ 48dBm typ.
DC SUPPLY INPUT	+ 12V, 3.8A max. (3.0A typ.)
MAXIMUM INPUT POWER	0dBm
RF CONNECTORS (IN/OUT)	SMA Female
OPERATING TEMPERATURE	- 10 °C ~ + 45 °C
STORAGE TEMPERATURE	- 15 °C ~ + 65 °C
<b>P R I C E</b>	<b>1 ~ 9 pcs. @ ¥ 498,000 -</b>

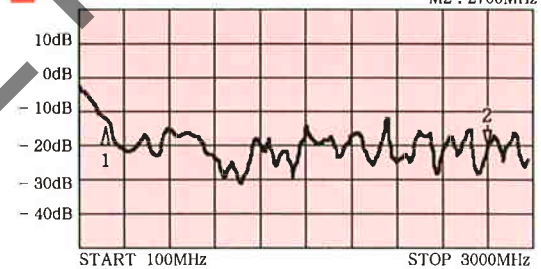
### SMALL SIGNAL GAIN M1 : 300MHz M2 : 2700MHz



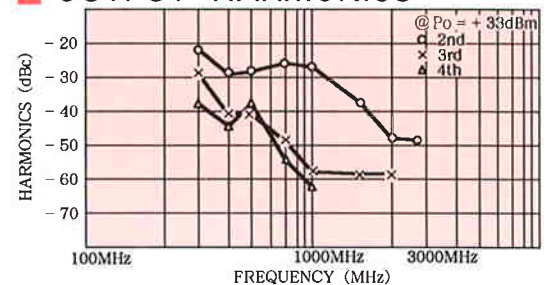
### INPUT RETURN LOSS M1 : 300MHz M2 : 2700MHz



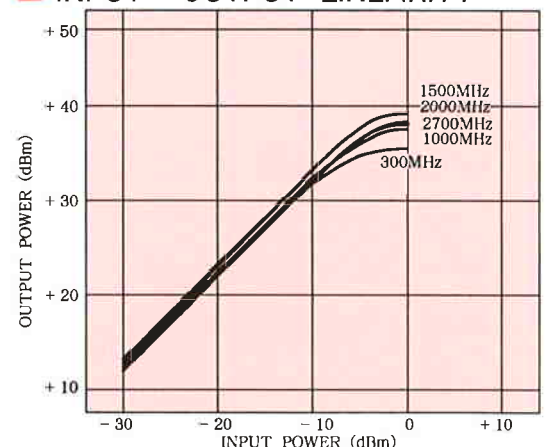
### OUTPUT RETURN LOSS M1 : 300MHz M2 : 2700MHz



### OUTPUT HARMONICS



### INPUT - OUTPUT LINEARITY



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