

**KA1303-LEM is a wide band 10-3000MHz amplifier with flat gain-frequency response.**

### KEY FEATURES

- ✓ Wide band
- ✓ High output IP3
- ✓ High gain
- ✓ Compact and solid case
- ✓ Small dimensions

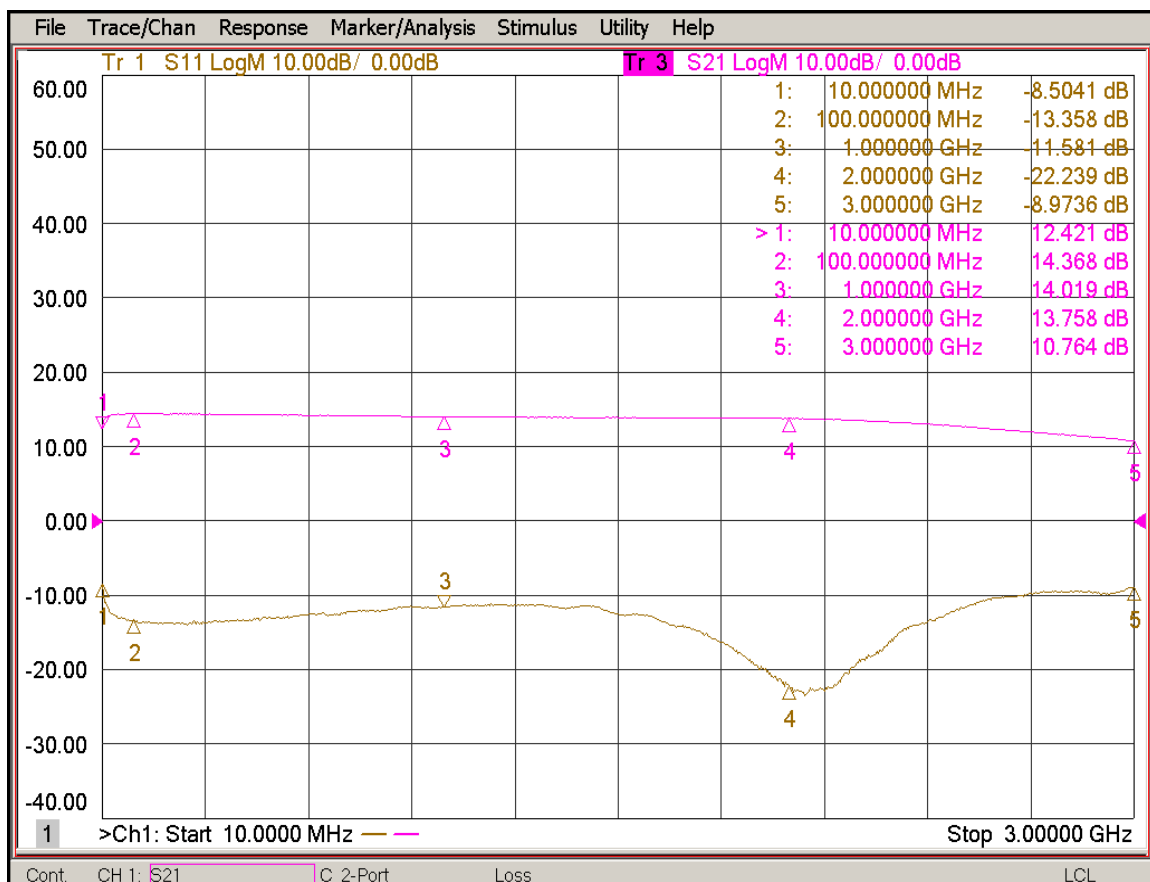
### APPLICATIONS

- ✓ Radio-transmitters
- ✓ Cellular networks
- ✓ Radio-monitoring



KA1303-LEM mechanical enclosure

## PRODUCT DESCRIPTION



Gain and input matching vs. frequency

### Absolute maximum ratings

Supply voltage max	+35	V
Maximum RF input	+20	dBm

*Operation of this device in excess of any of the limits may cause permanent damage.*

### RF characteristics

Frequency	10MHz	50MHz	1 GHz	2 GHz	3 GHz	
Gain	12.0	14.0	14.0	14.0	10.5	dB
Noise figure	-	2.6	2.8	3.3	4.7	dB
1dB output compression	25	25	25	25	25	dBm
Output IP3	>37	>37	>37	>37	>37	dBm
Current consumption	170mA					
Vcc	+12...+15V					
Operating temperature range	-40...+85C					

*Values measured at environment temperature T = +25°C.*

### Mechanical specifications

Input/output connectors	SMA-female 50 Ω/SMA-female 50 Ω
Dimensions	50x40x13mm, aluminum

*Rantelon reserves the right to change the specification without notice.*