

# Bandwidth Adjustable Pico Repeater

## GSM 900 MHz



### PRODUCT FEATURES

- 15 dBm Uplink and Downlink output power
- 2-25 MHz bandwidth adjustable within GSM band
- Broadband linear power amplifier ensures un-distorted amplification of GSM900 signals
- Local Commissioning by OMT software and remote monitoring available by modem (optional)
- Compact Size, light weight for easy and fast deployment

ARTICLE	RP09-BA15-CA00	
<b>ELECTRICAL</b>		
<b>FREQUENCY RANGE</b>	Downlink Uplink	935 – 960 MHz 890 – 915 MHz
<b>MAXIMUM SYSTEM GAIN</b>		60 dB
<b>OPERATING BANDWIDTH</b>	Downlink Uplink	2 - 25 MHz 2 - 25 MHz
<b>GAIN ADJUSTMENT RANGE</b>		0 - 20 dB
<b>OUTPUT POWER, DOWNLINK</b>		15 ± 1.5 dBm
<b>OUTPUT POWER, UPLINK</b>		15 ± 1.5 dBm
<b>PASS BAND RIPPLE, P-P</b>		≤ 7 dB
<b>SYSTEM GROUP DELAY</b>		≤ 6 μsec
<b>SYSTEM NOISE FIGURE UL @ MAXIMUM GAIN</b>		≤ 7 dB
<b>SPURIOUS EMISSIONS</b>	9 KHz – 1 GHz 1 GHz – 12.75 GHz	ETSI EN 300 609 – 4 V8.0.2
<b>OUT-OF-BAND GAIN</b>		609 – 4 V8.0.2
<b>INTERMODULATION</b>		
<b>INPUT VSWR</b>		≤ 1.8
<b>ABSOLUTE MAXIMUM RF INPUT POWER</b>		+10 dBm
<b>IMPEDANCE</b>		50 Ohm

<b>POWER, MECHANICAL &amp; ENVIRONMENTAL</b>	
<b>DIMENSIONS, (H x W x D)</b>	210 x 140 x 45 mm
<b>WEIGHT (APPROX.)</b>	2 kg
<b>POWER SUPPLY</b>	100 – 240 / 47 – 63 Hz VAC
<b>POWER CONSUMPTION (APPROX.)</b>	20 W
<b>ENCLOSURE COOLING</b>	Convection
<b>RF CONNECTORS</b>	SMA
<b>OPERATING TEMPERATURE</b>	-10 to +40°C
<b>OPERATING HUMIDITY</b>	≤ 85%
<b>ENVIRONMENTAL CLASS</b>	IP30
<b>MTBF</b>	> 50,000