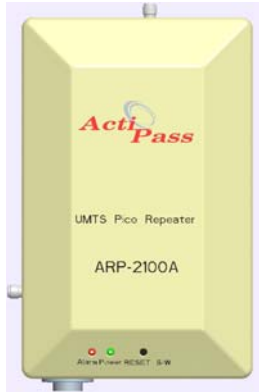


REPEATERS FOR UMTS

(Model # ARP-2100A)



Description

The Actipass ARP-2100A is a low power UMTS Repeater that provides a cost effective cell site coverage enhancement solution for in-building shadow area. The Actipass ARP-2100A will improve indoor call coverage and quality by eliminating problems such as weak and unstable receive and transmit signals. Customers will be able to enjoy better voice and call quality, easy call access, and stable call link.

Installation of the Actipass ARP-2100A Repeater is a simple process of connecting the Donor and Service antenna then plugging the power supply into any standard wall socket.

Features

- Easy to install and maintain.
- Minimizes the interference of other operating communication networks.
- Small size allows easy mobility.
- Provides good stability over frequency and temperature.
- Self-warning capability when a problem occurs.
- Provides call coverage for small districts and undergrounds
- Minimizes unnecessary spurious radiated power.

Specifications

No.	Parameter	Unit	Specification		Remarks
			Up Link	Down Link	
1	Frequency	MHz	1960~1970	2150~2160	
2	Gain	dB	60	60	
3	Output power	dBm	+10 ± 1dB	+10 ± 1dB	
4	Gain Ripple	dB(p-p)	3	3	
5	Absolute Group Delay	usec	5	5	
6	VSWR(max)	-	1.5	1.5	
7	Noise Figure(max)	dB	6	6	@60dB Gain
8	Pass Bandwidth	MHz	9MHz Over		-3dB BW
			11MHz Under		-40dB BW
9	ALC Range	dB	20 ± 1dB		
10	Shutdown Level	dBm	+13 ± 1dB		
11	Impedance	ohm	50		
12	Operating Temperature	°C	-10 ~ +40		
13	Frequency Stability	ppm	3Gpp (TS 25.106 V7.3.0)		
14	Out of Band Gain	dB			
15	Spectrum Emission Mask	dBm			
16	Spurious Emission (Category B)	dBm			
17	EVM	%			
18	PCDE	dB			
19	Input Intermodulation	dB			
20	Output Intermodulation	dBm			
21	ACRR	dB			
22	In/Out Connector		SMA(F)		
23	Power Supply		6 VDC / 2 A max		AC 100~240V, 50~60Hz,

24	Additional Function		Oscillation Detection	
25	Dimension[W x D x H]		100(W) * 160(L) * 38(H) mm	