

KANTECH

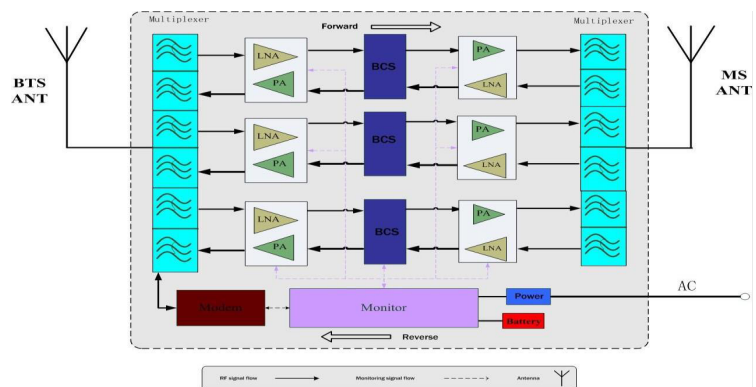
A Smarter Way for Your Broadband Life

- KT2T27D
- KT2D27D
- KT2S27D



Digital Middle Power Repeater

The KT2T27D, KT2D27D, and KT2S27D repeater covers arcades, shopping malls, VIP places, hotels, hospitals, and buildings up to 5 floors. This repeater is suitable for covering from 3000-7000m², and is capable to select three frequency subbands in each band to control, isolate and adjust the frequency of each operator. It also includes NMS control and monitoring system.



Characteristics

Suitable for 900MHz & 1800MHz & 2100MHz frequency band.

Linear power amplifier and highly integrated modules to ensure the stability of the inter-modulation (IMD3).

Low noise figure, high system gain, perfect communication quality.

Low power consumption, compact size, easy for maintenance and installation.

Monitor & alarm, support remote monitor and all kinds of alarms.

Support three band base station, and amplify any channel signals in work Band.



MADE IN
IRAN

Electrical Data			
Item		Uplink	Downlink
Frequency Range (MHz)		890~915	935~960
		1710~1785	1805~1880
		1920~1980	2110~2170
Max.Total Output Power(dBm)@Center Frequency		20±2	30±2
Max.Gain (dB)@ Center Frequency at 25℃		75±3	80±3
ATT Adjustable Range (dB)/(Step)		0~30 @ 1 dB step	
ATT Adjustable Error (dB)		≤ ±1.5	
ALC (dB)		0~30	
Noise Figure (dB) (Max. Gain)		≤ 8dB @Band edge ± 5MHz≤10dB	≤ 8dB @Band edge ± 5MHz≤10dB
Input VSWR(Power up, Min Gain, Pin=-30dBm)		≤ 1.8	
Ripple In Band (P-P) (dB)At +25℃		895-910M/940-955M: ≤±4.0@EBW; 890-915M/935-960M: ≤±6.0@EBW;	
Out of Band Rejection (dBc)At +25℃	±1MHz offset	≤ -15	≤ -15
	±2MHz offset	≤ -30	≤ -30
	±5MHz offset	≤ -45	≤ -45
Time Delay (us)		≤ 5.0	
EVM (%)		≤ 8@ 64QAM	
Spectrum Emission Mask (PAR=8)	0.05MHz≤f_offset<5.05MHz	$-7dBm - \frac{7}{5} \cdot \left(\frac{f_offset}{MHz} - 0.05 \right) dB$ /100kHz	
	5.05MHz≤f_offset<10.05MHz	-14dBm/100kHz	
	10.5MHz≤f_offset<f_offsetmax	-15dBm/1MHz	
Frequency Stability(ppm)		≤ ±0.01	
Spurious Emission (dBm) @ Out Of Band 10MHz Offset;	9kHz~150kHz	≤ -36/1KHz	
	150kHz~30MHz	≤ -36/10KHz	
	30MHz~1GHz	≤ -15/100KHz	



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