



이동통신 실습실용 증계기 KIT



Specifications.

Specification	Unit	Standards		
		TX	RX	
FREQUENCY	MHz	869.025 ~ 893.985	824.025 ~ 848.985	
Gain	dB	50±2	50±2	
Gain Flatness @Frequency (peak to peak)	dB	4	4	
대역내 ACPR (@0dBm, 7FA)	±750kHz	dBc	45 이상	
	±1.98MHz	dBc	60 이상	
대역내 ACPR (@0dBm, 1FA)	±750kHz	dBc	45 이상	
	±1.98MHz	dBc	60 이상	
-3dB BandWidth	MHz	26 이상	26 이상	
-40dB BandWidth	MHz	29.5 이하	29.5 이하	
Isolation	dB	80 이상	80 이상	
Delay	µs	5 이하	5 이하	
Input VSWR		1.6 이하	1.6 이하	
Output VSWR		1.6 이하	1.6 이하	
Noise Figure	dB		7 이하	
Shutdown	dBm	3±1	3±1	
Step Attenuation 오차 step: 1dB	@0dB~5dB	dB	±0.7 이내	±0.7 이내
	@6dB~10dB	dB	±1.0 이내	±1.0 이내
	@11dB~20dB	dB	±1.5 이내	±1.5 이내
	@21dB~30dB	dB	±2.0 이내	±2.0 이내
LNA MONITOR GAIN	dB	-10±1dB	-10±1dB	
DOWN MIXER MONITOR GAIN	dB	15±1dB	15±1dB	
UP MIXER MONITOR GAIN	dB	-5±1dB	-5±1dB	
HPA MONITOR GAIN	dB	25±1dB	25±1dB	
OUTPUT MONITOR GAIN	dB	30±1dB	30±1dB	
modem path gain	dB	-5dB 이내		
Local Monitor	dBm	-15±1dB		
signal generator Pout(881MHz)	dBm	-40±2dB		
signal generator Pout(880MHz)	dBm	-40±2dB		
signal generator Pout(836MHz)	dBm	-40±2dB		
signal generator Pout(835MHz)	dBm	-40±2dB		
signal generator on/off(881/836MHz)	ok			
signal generator on/off(880/835MHz)	ok			
Current(@7V)	A	1.6 이내		

Features

- ▶ Frequency Band
 - : TX:869.025MHz ~ 893.985MHz
 - RX:824.025MHz ~ 848.985MHz
- ▶ GAIN : 52dB
- ▶ GAIN FLATNESS : 4dB
- ▶ ISOLATION : 90dBc

Applications

- ▶ Education Kit