



Product Features

- ◆ OLED display for an easy glance of operating status, working frequency, gain and output power etc.;
- ◆ Local or remote setting on gain, working frequency and bandwidth; convenient to check UL or DL output power, working frequency, temperature alarm and ALC alarm;
- ◆ High linear SAW ensures high out-of-band rejection and minimal interference to base station system;
- ◆ Able to enhance signal coverage, reduce cell phone radiation and extend cell phone battery working time;
- ◆ MGC function, gain can be step-adjusted in the range of 1-31dB;
- ◆ ALC, auto control of output power ensuring stable signal coverage;
- ◆ MTBF can be up to 100000 hours.

Model List :

MODEL	Frequency Range of Up link	Frequency Range of Down link
F40T-B5	824 ~ 849 MHz	869 ~ 894 MHz
F40T-B8	890 ~ 915 MHz	935 ~ 960 MHz
F40T-B3	1710 ~ 1785 MHz	1805 ~ 1880 MHz
F40T-B2	1850 ~ 1910 MHz	1930 ~ 1990 MHz
F40T-B1	1920 ~ 1980 MHz	2110 ~ 2170 MHz
F40T-B7	2500 ~ 2570 MHz	2620 ~ 2690 MHz
F40T-B20	830 ~ 862 MHz	791 ~ 821 MHz
F40T-B28	708 ~ 748 MHz	763 ~ 803 MHz

Specification :

Items	Uplink	Downlink
Bandwidth (Frequency can be set by software)	0.2~24 MHz	0.2~24 MHz
Default operating frequency	Customer-specified frequency	
Output Power	24±2dBm	40±2dBm
Gain	Type 85±3dB	Type 90±3dB
Ripple	Type≤4 dB	Type≤4 dB
VSWR	≤2	≤2
ALC Active 10 dB	△ ≤2 dB	△ ≤2 dB
Max. Input Power Without Damage	0dBm	0dBm
Spurious Emission	9KHz~1GHz	≤-36 dBm
	1GHz~12.75GHz	≤-30 dBm
Out of Band Gain	Fully comply with 3GPP	
EVM	Fully comply with 3GPP	
PCDE	Fully comply with 3GPP	
ACRR	Fully comply with 3GPP	
Gain Attentute Range	1~31 dB,step of 1 dB	
ALC control Range	≥ 25 dB	≥ 25 dB
Noise Figure@ max. gain	≤6 dB	≤6 dB
Time Delay	≤9μs	≤9μs
AGC Alarm	NotActive	—
	Active5~10dB	—
	Active≥25dB	—
Monitoring	Local	OLED & USB
	Remote	NMS Cloud Connection
Control	1.UL&DL gain	
	2. Frequency	
	3.Bandwidth	
Monitoring	1.Output power	
	2.Temperature	
	3.Alarms(Over output alarm, over temperature alarm,PLL	
Idle Shut-off Function	Available	
Real-time Self Oscillation Elimination Function	Available	
Shutoff Function	Available	
Power Supply	AC:220V	
RF Connector	N-Female	
Environment Conditions	IP65	
Humidity	< 90%	
Operating Temperature	-10℃ ~ +50℃	
Dimension	490*410*190mm	
Weight	<25kg	



All interconnection Amplitec achieves



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