

TDD-1950-High Power Amplifier Modules



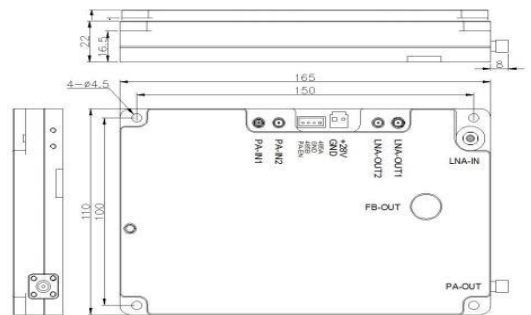
Application



Features

- ▶ Customizable for any frequency band below 5000MHz
- ▶ High linear power amplifier tube and predistortion technology
- ▶ With no-load, overload, and over temperature protection functions
- ▶ Supports 4G,5G TDD Access Technologies
- ▶ Through the RS485 interface, the protocol can be customized
- ▶ Temperature compensation function to maintain long-term stable output
- ▶ Application to base station, repeater, jammer system, etc

Block Diagram



Specifications

TDD-HPA1950-A3549	Specification		Remark
Frequency Range (MHz)	B34	2010-2025	Customizable
	B38	2570-2620	
	B39	1880-1920	
	B40	2300-2400	
	B41/N41	2496-2690	
	N77	3800-4200	
	N78	3300-3800	
	N79	4400-5000	
Max. Gain (dB)	Downlink	50/55 ±2dB	Customizable
	Uplink	30/40 ±2dB	
Output Power (dBm)	37/40/43/45/47/49dBm		Optional
ALC Control Range (dB)	≧ 20dB		
In-Band Ripple (dB)	≧ 3dB		
VSWR	≧ 1.5		
ACPR (dBc)	±20MHz	≧ -30dBc	Without analog pre-distortion APD OFF
	±40MHz	≧ -40dBc	
	±20MHz	≧ -40dBc	Equipped with analog pre-distortion APD ON
	±40MHz	≧ -50dBc	
EVM (%)	≧ 4%		
Type of Connector	SMB/M;MCX/K;SMA/F		Optional
Monitoring Port	RS485		Used to read and write
Monitoring Function	Temp,O/P,VSWR,Over Temp, ON/FF;Gain ATT etc...		Includes query and setting items
Power Supply (V)	DC 28V~32V		Optional
Efficiency (%)	37/40/43/45dBm	20~25%	Lock Downlink Mode; Normal Mode
	47/49dBm	25~35%	
Operating Temperature (°C)	-40~+55 °C		
Dimension (L*W*H) mm	165*110*23mm		Customizable
Color	Aluminum		

* Technical spec subject to change without notice.