

# 2.4GHz Power Amplifier Series



PA-2410-ODU

IEEE 802.11b 1W Outdoor Bi-Directional Power Amplifier



PA-2410gM-ODU

IEEE 802.11b/g 1W Outdoor Bi-Directional Power Amplifier



PA-2450-ODU

IEEE 802.11b 5W Outdoor Bi-Directional Power Amplifier

Output Power	+30dBm/Max	+29dBm/Max	+37dBm/Max
Operating Range	2400 ~ 2500 MHz	2400 ~ 2500 MHz	2400 ~ 2500 MHz
Operating Mode	Bi-Directional TDD	Bi-Directional TDD	Bi-Directional TDD
Transmit Gain	Up to 24dB	Up to 12dB	Up to 26dB
Frequency Response	± 1dB	± 1dB	± 1dB
Signal Type	IEEE 802.11b	IEEE 802.11b/g	IEEE 802.11b
TX Input Power	0dBm Min/23dBm Max	6dBm Min/18dBm Max	0dBm Min/23dBm Max
Receiver Gain	Up to 15dB	Up to 12dB	Up to 15dB
TX/RX Switch Time	< 1 uSec	< 1 uSec	< 1 uSec
Noise Figure	< 3.5dB typical	< 3.5dB typical	< 3.5dB typical
Connectors	N Type, 50 Ohm	N Type, 50 Ohm	N Type, 50 Ohm
Lightning Protection	Quarter Wave Technology	Quarter Wave Technology	Quarter Wave Technology
Power Consumption	Tx: < 1A/Rx: < 160mA @ 9 ~ 12 VDC	Tx: < 1A/Rx: < 160mA @ 9 ~ 12 VDC	Tx: < 3A/Rx: < 180mA @ 12 VDC
LED Indication	Transmit: Green/Receive: Red	Transmit: Green/Receive: Red	Transmit: Green/Receive: Red
Dimensions	142L * 79W * 31H (mm)	93L * 60W * 31H (mm)	190L * 110W * 55H (mm)
Operating Temperature	-30 ~ +70°C	-30 ~ +70°C	-30 ~ +70°C



PA-2405gM-IDU

IEEE 802.11b/g 500mW Indoor Bi-Directional Power Amplifier



PA-2405-IDU

IEEE 802.11b/g 500mW Indoor Bi-Directional Pen Booster

Output Power	+27dBm/Max	+26dBm/Max
Operating Range	2400 ~ 2500 MHz	2400 ~ 2500 MHz
Operating Mode	Bi-Directional TDD	Bi-Directional TDD
Transmit Gain	Up to 12dB	Up to 12dB
Frequency Response	± 1dB	± 1dB
Signal Type	IEEE 802.11b/g	IEEE 802.11b/g
TX Input Power	2dBm Min/18dBm Max	2dBm Min/18dBm Max
Receiver Gain	Up to 10dB	Up to 10dB
TX/RX Switch Time	< 1 uSec	< 1 uSec
Noise Figure	< 3.0dB typical	< 3.0dB typical
Connectors	In: SMA(F)/Out: SMA(F) RP, 50 Ohm	SMA - Male(RP)/SMA - Female(RP)
Lightning Protection	N/A	N/A
Power Consumption	Tx: < 0.6A/Rx: < 80mA @ 5 VDC	Tx: < 0.6A/Rx: < 80mA @ 6 VDC
LED Indication	DC Power In	Transmit: Green/Receive: Red
Dimensions	93L * 60W * 31H (mm)	82L * 22W * 20H (mm)
Operating Temperature	0 ~ +60°C	0 ~ +60°C