



Power Amplifier Modules for Mobile Phones

With high efficiency and good linearity, the PA modules are optimized for applications in major wireless standards, including GSM/GPRS, CDMA, CDMA2000-1X or WCDMA. They are designed with InGaP HBT for excellent reliability and RF performance. All models operate with a single 3V voltage and are integrated with 50 ohms input/output matching circuits to reduce the bill of materials and design/production complexity of mobile phones.

Model	Applications	Key Features
MMPA818	880-915 MHz and 1710-1785 or 1850-1910 MHz <ul style="list-style-type: none"> GSM/DCS or GSM/PCS Dual Band GSM/DCS/PCS Triple Band 	<ul style="list-style-type: none"> GPRS Capable Output: 35 dBm GSM, 32 dBm DCS/PCS Gain: 27 dB GSM, 24 dB DCS/PCS PAE: 55% GSM, 50% DCS, 45% PCS 8.2 x 9.6 x 1.6 mm LCC
MMPA816	880-915 MHz and 1710-1785 or 1850-1910 MHz <ul style="list-style-type: none"> GSM/DCS or GSM/PCS Dual Band GSM/DCS/PCS Triple Band 	<ul style="list-style-type: none"> GPRS Capable with Band Select Output: 35 dBm GSM, 33 dBm DCS/PCS Gain: 27 dB GSM, 25 dB DCS/PCS PAE: 55% GSM, 50% DCS, 45% PCS 11.6 x 9.1 x 1.6 mm LCC
MMPA821-1	824-849 MHz <ul style="list-style-type: none"> CDMA/AMPS Dual Mode TDMA/AMPS Dual Mode 	<ul style="list-style-type: none"> 28 dBm Linear Output 29 dB Linear Gain 70 mA Idle Current at High Power State Power-Saving Modes 6.0 x 6.0 x 1.6 mm LCC
MMPA821-2	1750-1780 MHz <ul style="list-style-type: none"> CDMA 2000-1X CDMA 	<ul style="list-style-type: none"> 28 dBm Linear Output 28 dB Linear Gain 70 mA Idle Current at High Power State Power-Saving Modes 6.0 x 6.0 x 1.6 mm LCC
MMPA821-3	1850-1910 MHz <ul style="list-style-type: none"> CDMA 2000-1X CDMA or TDMA 	<ul style="list-style-type: none"> 28 dBm Linear Output 29 dB Linear Gain 70 mA Idle Current at High Power State Power-Saving Modes 6.0 x 6.0 x 1.6 mm LCC
MMPA823-1,-2,-3	MMPA821-1, -2, -3 with Power Detector	
MMPA731	1850-1910 or 1920-1980 MHz <ul style="list-style-type: none"> Wide-Band CDMA Handsets 	<ul style="list-style-type: none"> 28 dBm Linear Output 27 dB Linear Gain Power-Saving Modes Power Detector 4.6 x 7.0 x 1.6 mm LCC