



CORRY MICRONICS, INC **PRODUCT SPECIFICATION**

CMIPA-L23P45
2300-2400 MHz LTE-TDD SOLID STATE HIGH POWER AMPLIFIER

Electrical Specifications

Parameters	Specifications	Note
Operating Frequency	2300-2400MHz	
Signal Type	LTE, PAR 9.8dB	
TX Nominal Output Power	45W	TX Slot
TX ACLR	≤-45dBc	TBD
TX EVM (Max)	<8% @ Specified Output Power	
TX Nominal Gain	51±1.5dB	Room temperature
	51±2dB	Low and high temperature
Attenuator Set Range	31dB	
Attenuator Set Step	0.25dB	
Initial value of attenuator	8.5dB	
TX Input return loss	18dB	
DC Power	+28V	
Efficiency	≥26%@45W	
TX Output load mismatch tolerance	Isolator protected	
Max operating base temperature	90°C	If temp higher than 90°C, the PA will be shut down
Power consumption when muted	<5W	
TX Forward power monitor	Range: 30dB, 50dBm~21dBm Resolution: 0.1dBm Accuracy: ±2dB	
TX Reverse power monitor	Range: 30dB, 50dBm~21dBm Resolution: 0.1dBm Accuracy: ±2dB	

CALL OUR SALES DEPARTMENT FOR MORE INFORMATION OR VARIATIONS OF THIS PRODUCT.

Corry Micronics, Inc. One Plastics Rd. - Corry, PA 16407
(724) 940-7556 ext. 138 Fax (724) 940-7707 www.cormic.com

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Parameters	Specifications	Note
DC Current monitor	Range: 0-15A Resolution: 0.1A Accuracy: $\pm 5\%$	
Temperature monitor	Range: $-40^{\circ}\text{C}\sim+105^{\circ}\text{C}$ Resolution: 1°C Accuracy: $\pm 3^{\circ}\text{C}$	
RX Noise Figure	<3dB (Room Temperature) <3.5dB (High/Low Temperature)	
RX Gain	25+/-2dB	
RX Input Return Loss	12dB	
Switch Time	<2us 50% control to 10%/90% RF Level	

Environmental Specifications

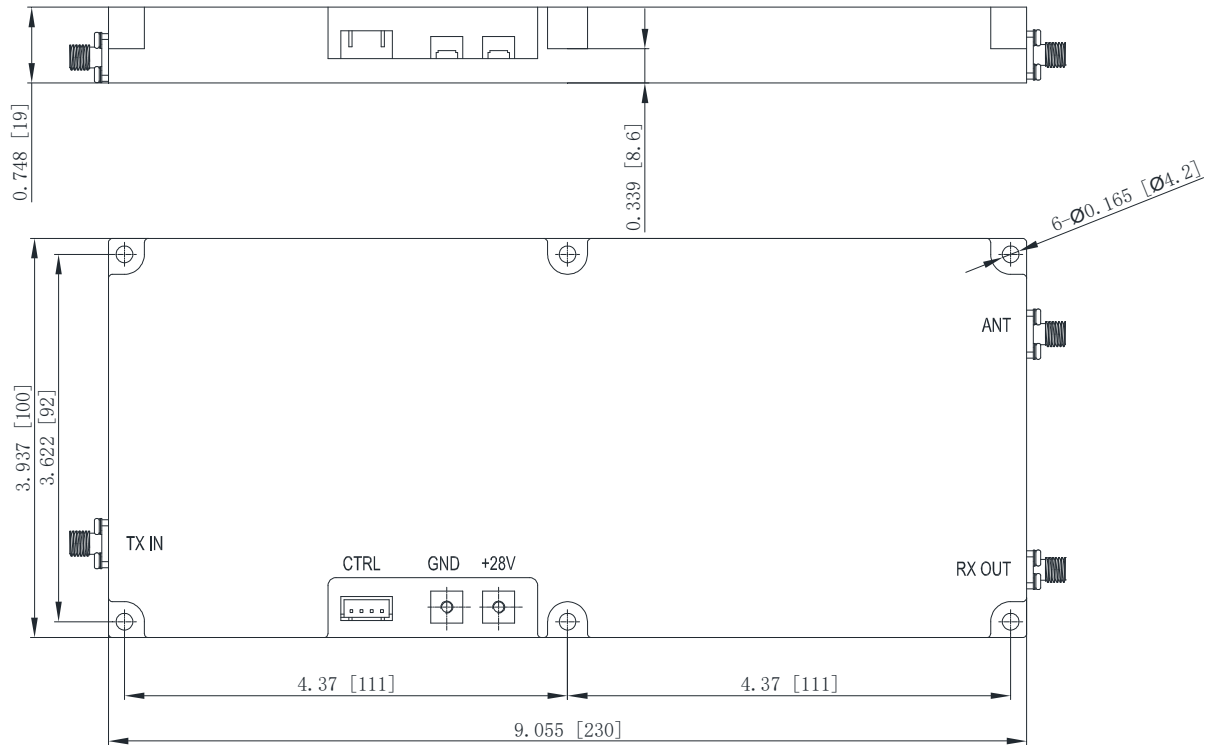
- ✧ Environment Temp.: $0^{\circ}\text{C} \sim +50^{\circ}\text{C}$
- ✧ Humidity: 5%RH~96%RH
- ✧ Atmospheric Pressure: 70kPa~106kPa

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Dimensions (inches)



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