

# cito Plus 136-ACNA-N37A-FN

cito Plus 1000 W, 13.56 MHz

## Product specification

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|--|--|
| Type Designation                       | cito Plus 136-ACNA-N37A-FN                               |
| Part Number                            | 64001121   |
| Frequency (MHz)                        | 13.56 MHz  |
| RF Power (W)                           | 600 W  |
| AC Input                               | 230 VAC  |
| Max. delivered power into mismatch (W) | 120 W  |
| Load impedance (Ohms)                  | 50   |
| RF Connector (Ohms)                    | N-type   |
| RF power regulation mode               | P forward, P delivered or Process feedback               |
| Regulation (%)                         | $\pm 1$ % of setpoint or $\pm 0.1$ % of full rated power |
| RF on rise time (ms)                   | < 20 ms  |
| RF off fall time (ms)                  | < 1 ms   |
| Pulse Mode                             | Yes  |
| Pulse rise time ( $\mu$ s)             | < 1 $\mu$ s  |
| Pulse fall time ( $\mu$ s)             | < 1 $\mu$ s  |
| Pulse repetition frequency (Hz)        | N/A  |
| Pulse duty cycle (%)                   | N/A  |
| Pulse period resolution ( $\mu$ s)     | N/A  |
| Interfaces                             | RS232, Ethernet, DB25 Analog/Digital, 9-pin matching bus |
| Additional Fieldbus Interface          | None   |
| Frontpanel                             | Active front panel                                       |
| Harmonics (dBc)                        | $\leq -40$ dBc   |
| Spurious content (dBc)                 | $\leq -50$ dBc   |
| CEX operation mode                     | Yes  |
| CEX input signal as required (dBm)     | + 3 dBm to + 10 dBm                                      |
| CEX output signal specifications (dBm) | + 6 dBm +/- 2 dBm  |
| CEX connector (Ohms)                   | SMA  |
| CEX Phase Shift (degrees)              | -180 degrees to +180 degrees in 1 degree steps           |

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## Physical specification

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|---------------------------|--|
| Dimensions (mm x mm x mm) | 441 mm (width) x 500 mm (depth) x 88 mm (height) |
| Weight (kg)               | < 16 kg  |
| Mounting                  | 19" rack mounting                                |
| Clearance (mm)            | 80 mm to air inlet                               |

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## AC power line

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|                               |                                 |
|-------------------------------|---------------------------------|
| AC line voltage (VAC 1-phase) | Single phase 187 VAC to 265 VAC |
| AC line frequency (Hz)        | 50/60 Hz nominal                |
| Operating AC line current (A) | 3.6 A to 4.9 A                  |
| AC input power (VA)           | Single phase 187 VAC to 265 VAC |
| Efficiency line to load (%)   | > 0.69 typical                  |
| Power factor                  | > 0.95 typical                  |
| AC mains connection           | IEC 320                         |

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## Cooling

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|                |            |
|----------------|------------|
| Cooling method | air cooled |
|----------------|------------|

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## Protections

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|                       |     |
|-----------------------|-----|
| Reflected power limit | Yes |
| Overtemperature       | Yes |
| Humidity              | –   |
| DC current limit      | –   |
| DC overload           | –   |
| RF power limit        | Yes |

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