

cito 276-ACNA-N9A-FF

cito 600 W, 27.12 MHz

Product specification

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| Type Designation | cito 276-ACNA-N9A-FF |
| Part Number | 64000052 |
| Frequency (MHz) | 27.12 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 (%) | ± 1.5 % of setpoint or ± 0.15 % of full rated power |
| RF on rise time (ms) | < 30 ms |
| RF off fall time (ms) | < 1 ms |
| Pulse Mode | Yes |
| Pulse rise time (μ s) | < 10 μ s |
| Pulse fall time (μ s) | < 1 μ s |
| Pulse repetition frequency (Hz) | 0.017 – 30'000 |
| Pulse duty cycle (%) | 0.0 to 99 |
| Pulse period resolution (μ s) | 0.1 |
| Interfaces | RS232, Ethernet, 9-pin Analog/Digital, 9-pin matching bus |
| Interfaces optional | Profibus |
| Frontpanel | LCD graphic display 256 x 132 dots, black/white |
| Harmonics (dBc) | ≤ -40 dBc |
| Spurious content (dBc) | ≤ -50 dBc |
| CEX operation mode | Yes |
| CEX input signal as required (dBm) | 3 – 10 |
| CEX output signal specifications (dBm) | 7 ± 2 |
| CEX connector (Ohms) | SMA |
| CEX Phase Shift (degrees) | -180 degrees to +180 degrees in 1 degree steps |
| ARC Detection response time (μ s) | – |
| FSM (frequency supported matching) | – |

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) | Air cooled < 15 kg / water cooled < 39 kg |
| Mounting | 19" rack mounting |
| Clearance (mm) | 80 mm to air inlet |

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) | |
| Efficiency line to load (%) | > 0.69 typical |
| Power factor | > 0.95 typical |
| AC mains connection | IEC 320 |

Cooling

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|----------------|------------|
| Cooling method | forced air |
|----------------|------------|

Protections

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| Reflected power limit | Yes |
| Overtemperature | Yes |
| Humidity | No |
| DC current limit | No |
| DC overload | No |
| RF power limit | Yes |
