

# cito 4040-WC7C-N37A-FF

cito 4000 W, 40.68 MHz

## Product specification

|  |   |
|--|---|
| Type Designation                       | cito 4040-WC7C-N37A-FF                                      |
| Part Number                            | 65000029  |
| Frequency (MHz)                        | 40.68 MHz   |
| RF Power (W)                           | 4000 W  |
| AC Input                               | 200 VAC   |
| Max. delivered power into mismatch (W) | 800 W   |
| Load impedance (Ohms)                  | 50  |
| RF Connector (Ohms)                    | 7-16 DIN  |
| RF power regulation mode               | P forward, P delivered or Process feedback                  |
| Regulation (%)                         | $\pm 1.5$ % of setpoint or $\pm 0.15$ % of full rated power |
| RF on rise time (ms)                   | < 30 ms   |
| RF off fall time (ms)                  | < 1 ms  |
| Pulse Mode                             | Yes   |
| Pulse rise time ( $\mu$ s)             | < 10 $\mu$ s  |
| Pulse fall time ( $\mu$ s)             | < 1 $\mu$ s   |
| Pulse repetition frequency (Hz)        | 0.017 – 30'000  |
| Pulse duty cycle (%)                   | 0.0 to 99   |
| Pulse period resolution ( $\mu$ s)     | 0.1   |
| Interfaces                             | RS232, Ethernet, 37-pin Analog/Digital, 9-pin matching bus  |
| Interfaces optional                    | Profibus  |
| Frontpanel                             | LCD graphic display 256 x 132 dots, black/white             |
| Harmonics (dBc)                        | $\leq -40$ dBc  |
| Spurious content (dBc)                 | $\leq -50$ dBc  |
| CEX operation mode                     | Yes   |
| CEX input signal as required (dBm)     | 3 – 10  |
| CEX output signal specifications (dBm) | 7 $\pm$ 2   |
| CEX connector (Ohms)                   | SMA   |
| CEX Phase Shift (degrees)              | -180 degrees to +180 degrees in 1 degree steps              |
| ARC Detection response time ( $\mu$ s) | –   |
| FSM (frequency supported matching)     | –   |

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## Physical specification

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|                              |   |
|------------------------------|---|
| Dimensions (mm x mm x mm)    | 483 mm (width) x 554 mm (depth) x 133 mm (height) |
| Weight (kg) nicht rausnehmen | Air cooled < 15 kg / water cooled < 39 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) | 3 phase 180 VAC to 220 VAC    |
| AC line frequency (Hz)        | 50/60 Hz nominal              |
| Operating AC line current (A) |                               |
| Efficiency line to load (%)   | > 0.67 typical                |
| Power factor                  | > 0.75 typical                |
| AC mains connection           | 3 m mains cable with open end |

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## Cooling

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|                |               |
|----------------|---------------|
| Cooling method | water and air |
|----------------|---------------|

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## Protections

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

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