

# cito 4020-WC7C-N37A-FF

cito 2000 W, 40.68 MHz

## Product specification

Type Designation	cito 4020-WC7C-N37A-FF
Part Number	65000005
Frequency (MHz)	40.68 MHz
RF Power (W)	2000 W
AC Input	200 VAC
Max. delivered power into mismatch (W)	400 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

**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)	3x12A
Efficiency line to load (%)	> 0.67 typical
Power factor	> 0.75 typical
AC mains connection	3 m mains cable with open end

**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