

# cito 4010-ACNA-N9A-FF

cito 1000 W, 40.68 MHz

## Product specification

Type Designation	cito 4010-ACNA-N9A-FF
Part Number	65000041
Frequency (MHz)	40.68 MHz
RF Power (W)	1000 W
AC Input	230 VAC
Max. delivered power into mismatch (W)	200 W
Load impedance (Ohms)	50
RF Connector (Ohms)	N-type
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, 9-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)	441 mm (width) x 500 mm (depth) x 88 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)	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

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## Cooling

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Cooling method	forced 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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