

cito 4040-WC7B-N37A-FF

cito 4000 W, 40.68 MHz

Product specification

Type Designation	cito 4040-WC7B-N37A-FF
Part Number	65000008
Frequency (MHz)	40.68 MHz
RF Power (W)	4000 W
AC Input	400 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 (%)	± 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, 37-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 \pm 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

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

AC line voltage (VAC 1-phase)	3 phase 360 VAC to 528 VAC
AC line frequency (Hz)	50/60 Hz nominal
Operating AC line current (A)	3x13A @400V
Efficiency line to load (%)	> 0.67 typical
Power factor	> 0.75 typical
AC mains connection	3 m mains cable with open end

Cooling

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

Protections

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