

cito 1310-ACNA-N37A-FF



Product specification

Type Designation	cito 1310-ACNA-N37A-FF
Part Number	64000200
Frequency (MHz)	13.56
RF Power (W)	1000
AC Input	230 VAC 1P
Max. delivered power into mismatch (W)	200
Load impedance (Ohms)	50
RF Connector (Ohms)	N-type (fem.)
RF power regulation mode	P forward, P delivered or Process feedback
Regulation (%)	1.0% of setpoint or 0.1% of full rated power
RF on rise time (ms)	<30
RF off fall time (ms)	<10
RF response time (ms)	<=1
Pulse Mode (Hz PRF)	Yes
Pulse rise Time (µs)	<5
Pulse fall time (µs)	<1
Pulse repetition frequency (Hz)	1 to 30000
Pulse duty cycle (%)	0.1 to 99
Pulse period resolution (µs)	0.1
Pulse RF envelope rise/fall time	n.a.
Interfaces	RS232, Ethernet, 37-pin Analog/Digital, 9-pin matching bus
Interfaces optional	Profibus
Frontpanel	LCD graphic display 256x132 dots, black/white
Harmonics (dBc)	-45

Spurious content (dBc)	-60
CEX operation mode	Yes
CEX input signal as required (dBm)	3 to +10
CEX output signal specifications (dBm)	+7 +/-2
CEX connector (Ohms)	BNC (fem.)
CEX Phase Shift (degrees)	0/360 degrees is standard adjustable in 1 degree steps.
ARC Detection response time (μ s)	optional
FSM (frequency supported matching)	optional

Physical specification

Dimensions (mm x mm x mm)	440x490x88
Weight (kg)	15.5
Mounting	19" rack mounting
Clearance (mm)	60

AC power line

AC line voltage (VAC 1-phase)	230 (187-265)
AC line frequency (Hz)	47 to 63
Operating AC line current (A)	10
Inrush AC line current (A)	15
AC input power (VA)	1600
Efficiency line to load (%)	60
Power factor	0.95
AC mains connection	IEC 320 C14

Cooling

Cooling method	forced air cooling
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Protections

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