

TR10R

S E R I E S

10W SWITCHING ADAPTER



Features

- Universal Input Range 90-264VAC
- Interchangeable AC Plugs
- Meets EN55022 Class B and CISPR/FCC Class B, Conducted
- Continuous Short Circuit Protection
- Over Current Protection

Ordering information

TR10RXXX - XX	XX	X	XX
Model No.	DC Plug Type		DC Cable Length and Type
* Please see Page235 for more detailed descriptions			
	A : Without OVP Option		01 : 720mm
			02 : 1200mm
			03 : 1800mm
			11 : 720mm with Ferrite Core
			12 : 1200mm with Ferrite Core
			13 : 1800mm with Ferrite Core
			* 20AWG / UL2468

MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	SWITCHING FREQUENCY	%EFF.
TR10R033	3.3V	1600mA	0 A	50mV	± 3%	± 1%	± 4%	40KHz Typ.	57% min.
TR10R050	5V	1600mA	0 A	50mV	± 2%	± 1%	± 4%	40KHz Typ.	62% min.
TR10R060	6V	1500mA	0 A	1%	± 2%	± 1%	± 3%	40KHz Typ.	65% min.
TR10R075	7.5V	1200mA	0 A	1%	± 2%	± 1%	± 3%	40KHz Typ.	65% min.
TR10R090	9V	1100mA	0 A	1%	± 2%	± 1%	± 2%	40KHz Typ.	70% min.
TR10R120	12V	850mA	0 A	1%	± 2%	± 1%	± 2%	40KHz Typ.	70% min.
TR10R136	13.6V	750mA	0 A	1%	± 2%	± 1%	± 2%	40KHz Typ.	72% min.
TR10R150	15V	700mA	0 A	1%	± 2%	± 1%	± 2%	40KHz Typ.	72% min.
TR10R180	18V	550mA	0 A	1%	± 2%	± 1%	± 2%	40KHz Typ.	73% min.
TR10R240	24V	400mA	0 A	1%	±2%	± 1%	± 2%	40KHz Typ.	73% min.

Specifications

INPUT SPECIFICATIONS:

Voltage90 ~ 264Vac
 Frequency47 to 63Hz
 Input Current0.4A max.
 Inrush Current.....30A max. @264Vac
 IsolationInput to output =4,242VDC
 Leakage Current.....0.25mA max

OUTPUT SPECIFICATIONS:

Holdup Time10ms typ. @115Vac
 Short Circuit ProtectionContinuous (Auto Recovery)
 Over Current ProtectionConstant Current type

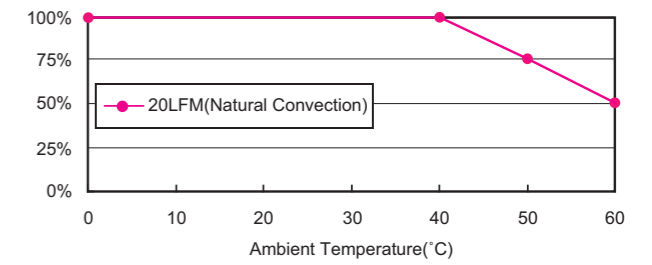
ENVIRONMENTAL CHARACTERISTICS:

Operating Temperature0 ~ 40°C
 Storage Temperature-20 ~ 85°C
 Cooling.....Natural Convection

MECHANICAL CHARACTERISTICS:

Dimensions72.00 x 46.00 x 35.00mm(2.835 x 1.811 x 1.378 Inches)
 Weight155g (0.34 Pounds)

TR10R Series Derating Curve



NOTE:

1. Voltage setpoint at 60% full load.
2. Add a 0.1µF ceramic capacitor and a 10µF E.L. capacitor to output for Ripple & Noise measurement @20MHz BW.
3. Line regulation measured from 100Vac to 240Vac, full load.
4. Load regulation measured from 60% to full load and from 60% to 20% load (60% +/- 40% load)
5. *Various TR Series adapters are PSE certified. PSE certification alone is not sufficient for importation into Japan. A valid PSE mark must contain the name of the importer as shown in the example below. If PSE mark is required, the name of the registered importer must be supplied to Cincon on order placement. Product labels will not contain PSE mark if importer name is not supplied. Consult factory or local representative for details*



Mechanical Specification

All Dimensions In Inches(mm)
 Tolerance Inches: x.xxx= ±0.02
 Millimeters: x.xx= ±0.5

