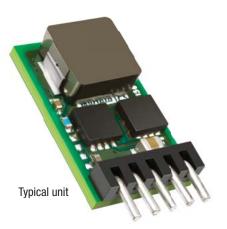


Okami OKR-T/3 Series

Adjustable Output 3-Amp SIP-mount DC/DC Converters

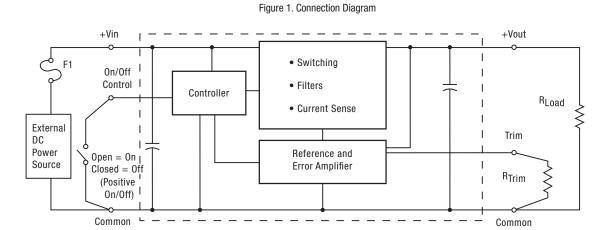


FEATURES

- 600 KHz operation
- 4.5-14 Vdc input voltage range
- Programmable output voltage from 0.591-6.0 VDC
- Drives up to 200 µF ceramic capacitive loads
- High power conversion efficiency at 93%
- Outstanding thermal derating performance
- Over temperature and over current protection
- On/Off control
- SIP, 0.41 x 0.65 x 0.4 inches (10.4 x 16.5 x 10.2 mm).
- Certified to UL/EN/IEC 60950-1 safety standards, 2nd edition
- RoHS-6 hazardous substance compliance

PRODUCT OVERVIEW

The OKR-T/3 series are miniature SIP non-isolated Point-of-Load (PoL) DC/DC power converters measuring only 0.41 x 0.65 x 0.22 inches ($10.4 \times 16.5 \times 5.6 \text{ mm}$). The wide input range is 4.5 to 14 Volts DC. Based on 600 KHz synchronous buck topology, the high power conversion efficient Point of Load (PoL) module features programmable output voltage and On/Off control, under voltage lock out (UVLO), overcurrent and over temperature protections. These units are certified to UL/EN/ IEC 60950-1 safety standards (2nd edition) and RoHS-6 hazardous substance compliance.









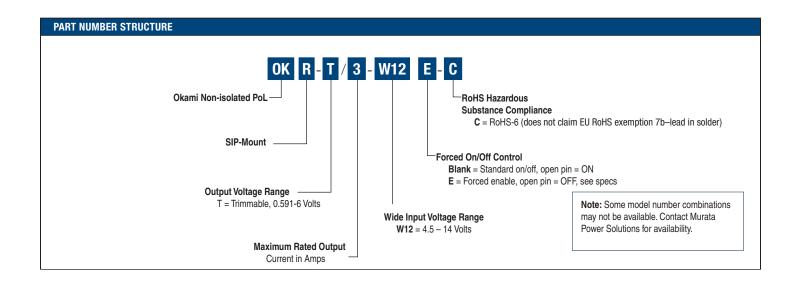
Adjustable Output 3-Amp SIP-mount DC/DC Converters

Performance Specifications Summary and Ordering Guide

ORDERING GUIDE														
	Output					Input				Pa		Package		
		Іоит		R/N (mVp-p)	Regulation (Max.)				lin,	lın,	Efficiency			
Root Model	Vout (Volts)	(Amps max)	Power (Watts)	Max.	Line	Load	Vin Nom. (Volts)	Range (Volts)	no load (mA)	full load (Amps)	Min.	Тур.	Case	Pinout
OKR-T/3-W12-C	0.591-6	3	15	25	±0.3%	±1.4%	12	4.5-14	80	1.34	90.75%	93%	C72	P73

- ① For Vout \geq 3.3V, Vin should be \geq (Vout \div 0.85) + 0.5V.
- ② Ripple and Noise is shown at Vout=1V. See specs for details.
- ③ All specifications are at nominal line voltage, Vout= 5V and full load, +25°C. unless other-

wise noted. Output capacitors are 1 μ F ceramic and 22 μ F electrolytic in parallel. Input cap is 22 μ F. See detailed specifications. I/O caps are necessary for our test equipment and may not be needed for your application.



Product Label

Because of the small size of these products, the product label contains a character-reduced code to indicate the model number and manufacturing date code. Not all items on the label are always used. Please note that the label differs from the product photograph on page 1. Here is the layout of the label:

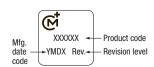


Figure 2. Label Artwork Layout

The label contains three rows of information:

First row — Murata Power Solutions logo Second row — Model number product code (see table) Third row — Manufacturing date code and revision level

Model Number	Product Code
0KR-T/3-W12-C	R01103
OKR-T/3-W12E-C	R01103E

The manufacturing date code is four characters:

First character – Last digit of manufacturing year, example $200\underline{9}$ Second character – Month code (1 through 9 = Jan-Sep; 0, N, D = 0ct, Nov, Dec) Third character – Day code (1 through 9 = 1 to 9, 10 = 0 and 11 through 31 = A through Z) Fourth character – Manufacturing information