

3, 5, 10, and 16-Amp SMTs

# OKY and OKY2 Series

Non-Isolated Programmable Output 3, 5, 10, and 16-Amp SMT DC/DC Converters

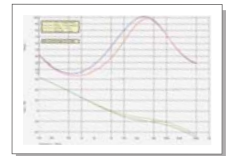


Actual size

### FEATURES:

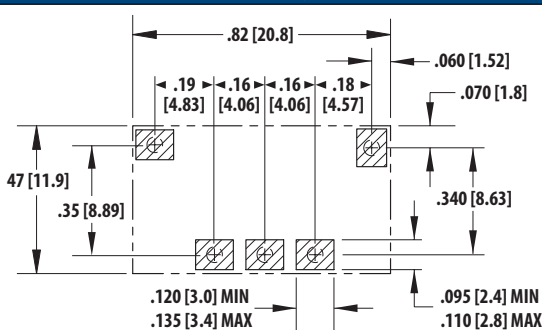
- Drop-in replacement for DOSA PoL converters
- Competitive alternative to discrete designs
- Choice of 3A and 5A output current
- High load capacitance to 1000µF
- Wide input voltage range and user programmable output voltage

Simulation Models Available Now!

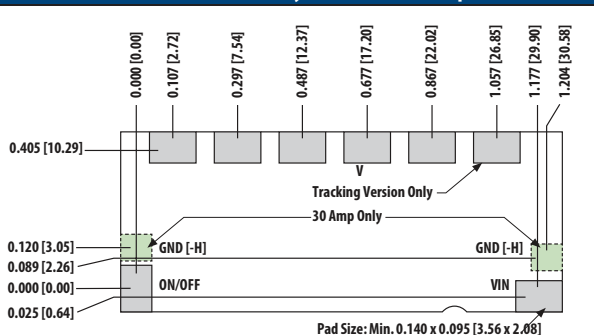


Contact your local FAE for details:  
[murata-ps.com/fae.html](http://murata-ps.com/fae.html)

### Recommended Pad Layout – 3/5 Amp



### Recommended Pad Layout – 10/16/30 Amp



### Ordering Guide

Part Number	Output			Input Voltage V <sub>dc</sub>	On/Off Logic	Typical Efficiency %	Tyco/Lineage Power Austin Lynx™ Cross-Reference*
	Voltage V <sub>dc</sub>	Current A	Power W				
OKY-T/3-D12P-C	0.75 - 5.5	3	15	12 (8.3 - 14)	Positive	92	AXA003A0X4-SRZ (MiniLynx™)
OKY-T/3-D12N-C	0.75 - 5.5	3	15	12 (8.3 - 14)	Negative	92	AXA003A0X-SRZ (MiniLynx™)
OKY-T/5-D12N-C	0.75 - 5.5	5	25	12 (8.3 - 14)	Negative	92	AXA005A0X-SRZ (MicroLynx™)
OKY-T/3-W5P-C	0.75-3.63	3	10.9	5 (2.4-5.5)	Positive	94	AXH003A0X4-SRZ (MiniLynx™)
OKY-T/3-W5N-C	0.75-3.63	3	10.9	5 (2.4-5.5)	Negative	94	AXH003A0X-SRZ (MiniLynx™)
OKY-T/5-W5P-C	0.75-3.63	5	18	5 (2.4-5.5)	Positive	96	AXH005A0X4-SRZ (MicroLynx™)
OKY-T/5-W5N-C	0.75-3.63	5	18	5 (2.4-5.5)	Negative	96	AXH005A0X-SRZ (MicroLynx™)
OKY-T/10-D12P-C	0.75 - 5.5	10	50	12 (8.3 - 14)	Positive	94	AXA010A0X43-SRZ (Lynx™)
OKY-T/10-D12N-C	0.75 - 5.5	10	50	12 (8.3 - 14)	Negative	94	AXA010A0X3-SRZ (Lynx™)
OKY2-T/10-D12P-C	0.75 - 5.5	10	50	12 (8.3 - 14)	Positive	94	ATA010A0X43-SRZ (LynxII™)
OKY2-T/10-D12N-C	0.75 - 5.5	10	50	12 (8.3 - 14)	Negative	94	ATA010A0X3-SRZ (LynxII™)
OKY-T/16-D12P-C	0.75 - 5.5	16	80	12 (8.3 - 14)	Positive	94	AXA016A0X43-SRZ (SuperLynx™)
OKY-T/16-D12N-C	0.75 - 5.5	16	80	12 (8.3 - 14)	Negative	94	AXA016A0X3-SRZ (SuperLynx™)
OKY2-T/16-D12P-C	0.75 - 5.5	16	80	12 (8.3 - 14)	Positive	94	ATA016A0X43-SRZ (SuperLynxII™)
OKY2-T/16-D12N-C	0.75 - 5.5	16	80	12 (8.3 - 14)	Negative	94	ATA016A0X3-SRZ (SuperLynxII™)

\*Austin Lynx is a trademark of Lineage Power.

[www.murata-ps.com/okami](http://www.murata-ps.com/okami)



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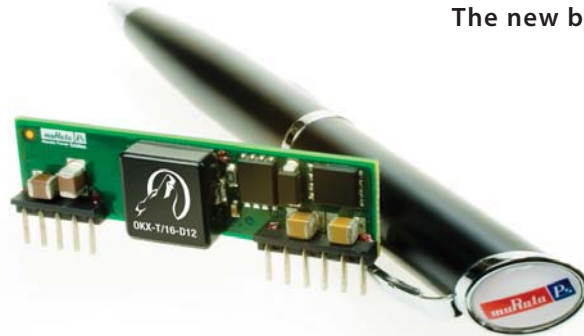
# OKX and OKX2 Series

Non-Isolated Programmable Output 10 & 16-Amp SIP PoL DC/DC Converters



The new breed of DC/DCs

Designed to support a wide range of applications to offer alternative options to discrete designs, Okami PoLs are time-saving solutions for today's latest FPGAs and ICs.

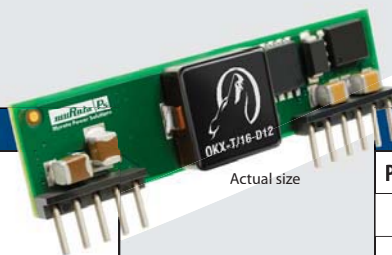
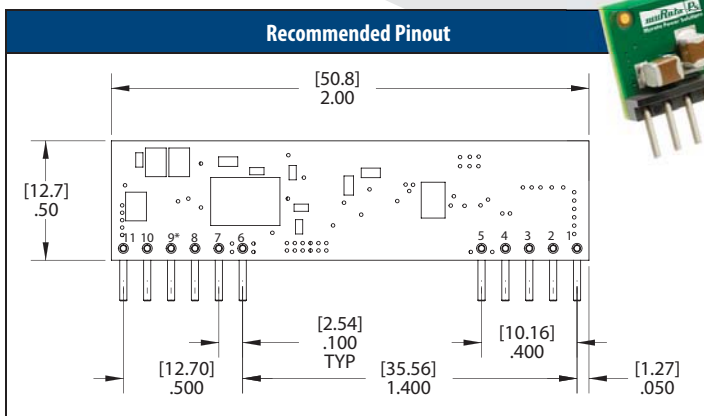


## FEATURES:

- Drop-in replacement for DOSA PoL SIPs
- High load capacitance to 1000uF
- Exceptional derating performance
- Wide input voltage range and user programmable output voltage
- Tracking version: OKX2 series

Ordering Guide								
Part Number	Output			Input	On/Off Logic	Sequence /Track	Typical Efficiency %	Tyco/Lineage Power Austin Lynx™ Cross-Reference*
	Voltage	Current	Power	Voltage				
	V <sub>dc</sub>	A	W	V <sub>dc</sub>				
OKX-T/10-D12P-C	0.75-5.5	10	50	12 (8.3-14)	Positive	no	94	AXA010A0X43Z (Lynx™)
OKX-T/10-D12N-C	0.75-5.5	10	50	12 (8.3-14)	Negative	no	94	AXA010A0X3Z (Lynx™)
OKX2-T/10-D12P-C	0.75-5.5	10	50	12 (8.3-14)	Positive	yes	94	ATA010A0X43Z (Lynx™II)
OKX2-T/10-D12N-C	0.75-5.5	10	50	12 (8.3-14)	Negative	yes	94	ATA010A0X3Z (Lynx™II)
OKX-T/16-D12P-C	0.75-5.5	16	80	12 (8.3-14)	Positive	no	94	AXA016A0X43Z (SuperLynx™)
OKX-T/16-D12N-C	0.75-5.5	16	80	12 (8.3-14)	Negative	no	94	AXA016A0X3Z (SuperLynx™)
OKX2-T/16-D12P-C	0.75-5.5	16	80	12 (8.3-14)	Positive	yes	94	ATA016A0X43Z (SuperLynx™II)
OKX2-T/16-D12N-C	0.75-5.5	16	80	12 (8.3-14)	Negative	yes	94	ATA016A0X3Z (SuperLynx™II)

\*Austin Lynx is a trademark of Lineage Power.



I/O Connections			
Pin	Function	Pin	Function
1	+ Output	6	Common
2	+ Output	7	+ Input
3	+Sense In	8	+ Input
4	+ Output	9 <sup>†</sup>	<sup>†</sup> Vtrack Seq
5	Common	10	Trim
		11	On/Off Control

<sup>†</sup>Vtrack Seq is optional. If not installed, Pin 9 is omitted.

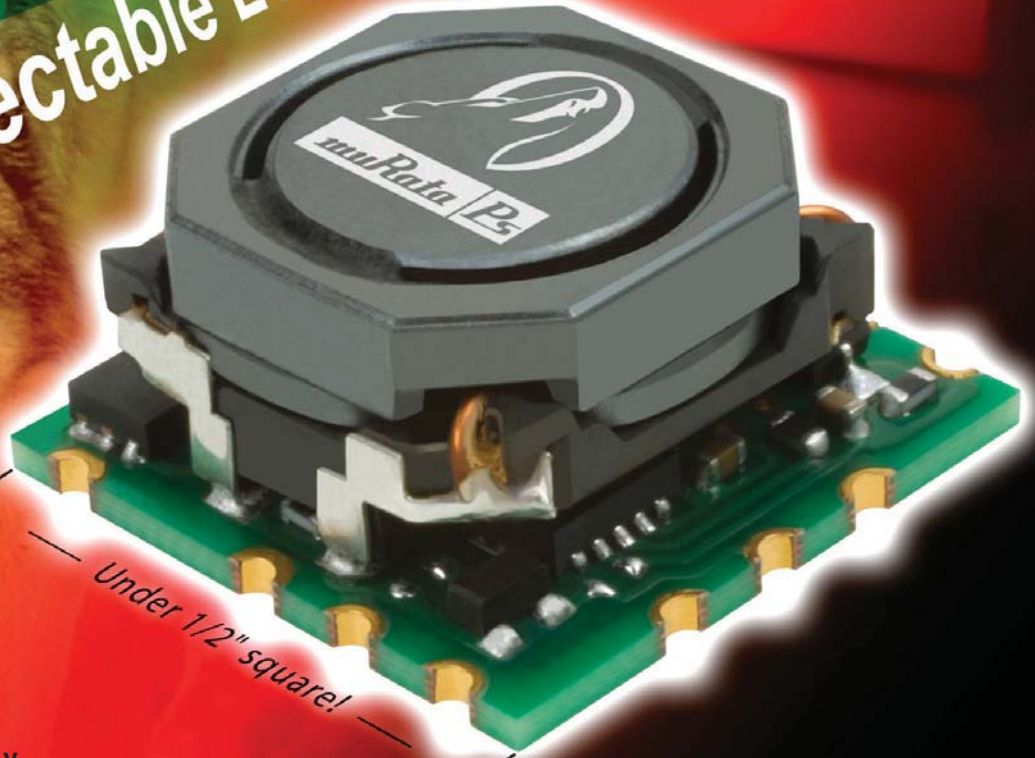
[www.murata-ps.com/okami](http://www.murata-ps.com/okami)



Technical support: Henry Lee · 508-339-3000 x249 · [henry.lee@murata-ps.com](mailto:henry.lee@murata-ps.com)



**iLGA**  
inspectable LGA



iLGA™ inspectable Land Grid Array

## OKL-T/3-W12 Series

Programmable Output 3-Amp iLGA™ SMT PoLs

- Allows easy inspection of all the pads
- Small form factor (12.2mm x 12.2mm)
- Improved transient response
- Same pad layout for 3A and 6A models



Ordering Guide								Recommended Pad Layout	
Part Number	Output			Input	On/Off Logic	Efficiency	Tyco/Lineage Power Austin Lynx™ Cross-Reference*		
	Voltage	Current	Power	Voltage					
	V <sub>dc</sub>	A	W	V <sub>dc</sub>					
<b>OKL-T/3-W12P-C</b>	0.591-5.5	3	15	12 (4.5-14)	Positive	93	APXS003A0X4-SRZ (Pico Tlynx™)		
<b>OKL-T/3-W12N-C</b>	0.591-5.5	3	15	12 (4.5-14)	Negative	93	APXS003A0X-SRZ (Pico Tlynx™)		
Models with optional sequence/tracking feature coming soon! Contact Murata Power Solutions for more information.									

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