

JA/JP Series



DC/DC

15 Watts

Single/Dual/Triple Outputs

- 4:1 ultra wide input range
9-36 Vdc
20-72 Vdc
- Remote shutdown
- 100kHz switching frequency
- Continuous short circuit protection
- Six-sided shielding

Specifications

INPUT

Voltage Range	9-36Vdc 20-72Vdc
Filtering	All Models
Reverse Polarity Protected	To Nominal Input Current External Fuse Required
Remote On/Off Control	All Models

OUTPUT

Voltage Tolerance	± 1% Main ± 3% Auxiliary
Ripple and Noise	50mV pk-pk (Main) 100mV pk-pk (Aux)
Short Circuit Protection	Continuous Power Cycle
Temperature Coefficient	0.02% / °C

GENERAL

Regulation:	Main	Aux
Line	1.0%	2.0%
Load	2.0%	6.0%
Efficiency	80-85% (typ)	
I/O Isolation	500 Vdc	
Switching Frequency	100khz (typ)	

ENVIRONMENTAL

Operating Temperature	-25°C to +71°C No Derating
Storage Temperature	-25°C to +105°C
Cooling	Free-air Convection

All specifications are typical at nominal line and full load at 25°C unless otherwise noted and are subject to change without notice.

The 15-Watt JA/JP series operates over an ultra wide range of 9-36 Vdc or 20-72 Vdc. Efficiencies of 80% are typical over varying load conditions of 25% to 100%. Additional features include input reverse polarity protection, remote on/off control, logic compatible with CMOS or open collector TTL, short circuit protection with auto restart, overvoltage protection, and an operating temperature range of -25°C to +71°C with no derating. Units are packaged in a six-sided continuous shielded case for EMI/RFI protection and measure 2.0" x 2.0" x 0.40".

Applications

These units are ideally suited for telecommunications and applications having a widely varying input voltage such as automotive test equipment, process control, minicomputers and geosurvey equipment.



**SEMICONDUCTOR
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NOTE: ALL DIMENSIONS ARE IN INCHES (mm).

1. +Input	1. +Input	1. +Input	1. +Input	1. +Input
2. -Input	2. -Input	2. -Input	2. -Input	2. -Input
3. +Output	3. +Output	3. No Pin	3. No Pin	3. No Pin
4. No Pin	4. Common	4. Remote On/Off	4. Remote On/Off	4. Remote On/Off
5. -Output	5. -Output	5. No Pin	5. +12 or 15 Output	5. +12 or 15 Output
		6. +Output	6. Common	6. +5 Output
		7. -Output	7. -12 or 15 Output	7. -12 or 15 Output
		8. Trim	8. Trim	8. Trim