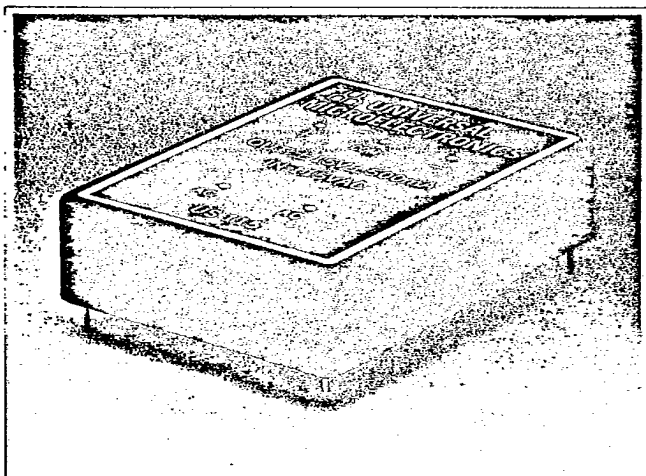


15 to 25 Watt AC/DC Switching Modules

AC-DC MODULE US100/200 SERIES Single AND Dual Outputs



- 60-75% Efficiency
- Excellent Regulation
- OVP on 5V Output
- 115 or 230 VAC Input
- Short Circuit Protection
- Internal Input Filter

SPECIFICATIONS

All Specifications Typical at Nominal Line, Full Load and 25°C Unless Otherwise Noted.

OUTPUT SPECIFICATIONS

Voltage Accuracy	± 2.0%, max.
Temperature Coefficient	
US100 Series	± 0.03%/°C
US200 Series	± 0.02%/°C
Warm up Drift, US111, US111T	± 0.5% other
US100 Series	± 0.2%
US200 Series	± 0.4% MAX
Overvoltage Crowbar	6.2V
Short Circuit Protection	Automatic

INPUT SPECIFICATIONS

Input Voltage Range	
US100 Series	90 VAC to 130 VAC
US200 Series	100 VAC to 130 VAC
US100 Series "E" Suffix	180 VAC to 260 VAC
US200 Series, "E" Suffix	200 VAC to 260 VAC
Input Frequency US100 Series	50 to 400 Hz
US200 Series	47 to 400 Hz
Input Filter US200 Series	Pi Network & Balun

GENERAL SPECIFICATIONS

Efficiency, US111, US111T	60%
Other US100 Series	70%
US200 Series	75%
Isolation Voltage	
US111, US111T	2000 VAC RMS Min.
Other US100 Series	1500 VAC RMS min.
US200 Series	
115 VAC Input	900 VAC RMS min.
230 VAC Input	1500 VAC RMS min.
Isolation Capacitance, US100 Series	50 pF
US200 Series	100 pF
Isolation Resistance	50 megohms
Switching Frequency	25 kHz

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Range	- 25°C to + 71°C
Derating, 50°C to 70°C	2.5%/°C
Storage Temperature Range	- 25°C to + 85°C
Humidity, Non-Condensing	20% to 95% RH
Cooling	Free-Air Convection

PHYSICAL SPECIFICATIONS

Case MaterialNon-Conductive Black Plastic

Input Voltage	Suffix
115 VAC	NONE
230 VAC	E



UNIVERSAL MICROELECTRONICS

OUTPUT VOLTAGE	OUTPUT CURRENT	OVP	REGULATION		RIPPLE AND NOISE	INPUT FILTER AND SHIELD	REMOTE SENSE	CASE	MODEL NUMBER
			LINE	LOAD					
15. WATT PC MOUNTABLE									
5 VDC	3.0 A	*	±0.05%	±0.1%	50 mV P-P			I	US111
12 VDC	1.25 A		±0.05%	±0.1%	50 mV P-P			I	US112
15 VDC	1.0 A		±0.05%	±0.1%	50 mV P-P			I	US113
±12 VDC	±625 mA		±0.05%	±0.1%	50 mV P-P			I	US114
±15 VDC	±500 mA		±0.05%	±0.1%	50 mV P-P			I	US115
15 WATT CHASSIS MOUNTABLE									
5 VDC	3.0 A	*	±0.05%	±0.2%	100 mV P-P			H	US111T
12 VDC	1.25 A		±0.05%	±0.1%	100 mV P-P			H	US112T
15 VDC	1.0 A		±0.05%	±0.1%	100 mV P-P			H	US113T
±12 VDC	±625 mA		±0.05%	±0.1%	100 mV P-P			H	US114T
±15 VDC	±500 mA		±0.05%	±0.1%	100 mV P-P			H	US115T
25 WATT PC MOUNTABLE									
5 VDC	5.0 A	*	±0.05%	±0.1%	100 mV P-P	*		I	US211
12 VDC	2.2 A		±0.05%	±0.1%	100 mV P-P	*		I	US212
15 VDC	1.8 A		±0.05%	±0.1%	100 mV P-P	*		I	US213
25 WATT CHASSIS MOUNTABLE									
5 VDC	5.0 A	*	±0.05%	±0.1%	100 mV P-P	*	*	H	US211T
12 VDC	2.2 A		±0.05%	±0.1%	100 mV P-P	*	*	H	US212T
15 VDC	1.8 A		±0.05%	±0.1%	100 mV P-P	*	*	H	US213T

CASE I

CASE H

