

DESCRIPTION

The series of AC-DC switching power supplies in a package of 40.0 x 33.5 x 22.0 mm are capable of delivering 10 watts. They are designed for industry control application, AC motor control application.

FEATURES

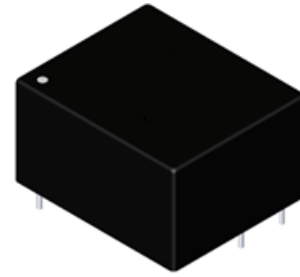
- Universal input 90-264VAC, 47-63Hz
- -25°C to +85°C operating temperature
- Encapsulated, compact case
- High efficiency up to 80%
- Fixed output voltage
- Continuous short circuit protection
- Isolated output 3750VAC
- OVP, short circuit protection

WATTAGE

Wattage: 10W

DIMENSION

Dimension: 40.0(L) x 33.5(W) x 22.0(H) mm



SAFETY STANDARD APPROVAL

Meet 60950 / 60335-1

ENVIRONMENTAL SPECIFICATION

Operating temperature: -25°C to +85°C

Storage temperature: -25°C to +85°C

SELECTION GUIDE

Part number	Input voltage	Output voltage	Output current @ full load	Efficiency ⁽¹⁾ (typ.)	Capacitive load ⁽²⁾ (max.)
A10-XE2-3.3	90-264 VAC	3.3 VDC	2500 mA	70%	18000µF
A10-XE2-05		5 VDC	2000 mA	76%	4800µF
A10-XE2-12		12 VDC	840 mA	78%	2000µF
A10-XE2-24		24 VDC	420 mA	80%	360µF

1. Typical efficiency measured @115Vac/ 230Vac, full load and +25°C after warm-up time.
2. Capacitive load measure @ 115Vac with constant resistive mode full load.
3. The product information and specifications are subject to change without prior notice.
4. All specifications valid at nominal input voltage(115/230VAC), full load and 25°C after warm-up time unless otherwise stated.

SPECIFICATION

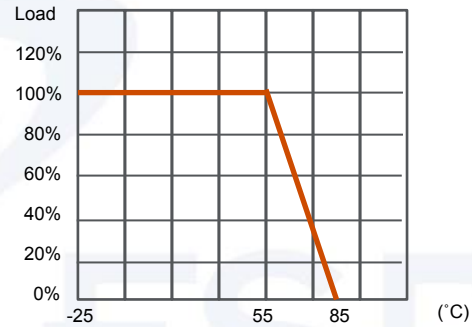
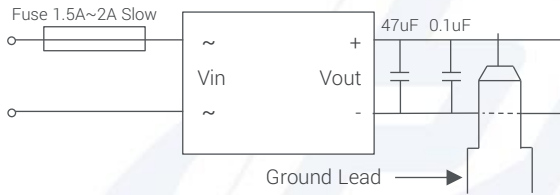
	Parameter	Conditions	Min.	Typ.	Max.	Unit	
Input	Input voltage range		90		264	VAC	
	Input current	115V			250	mA	
		230V			150	mA	
	Input frequency	90V-264V	47		63	Hz	
	No load power consumption	90V-264V			0.1	W	
	Inrush current (cold start @25°C)	115V			20	A	
		230V			40	A	
	Start-up time	115V			2	S	
	Leakage current	264V			0.25	mA	
Fuse				External			
Output	Output voltage accuracy	90V-264V		±6		%	
	Operating frequency	90V-264V		75		KHz	
	Ripple & noise ⁽¹⁾	Vo=5V / 12V				150	mVp-p
		Vo=3.3V / 24V				180	
	Minimum load	90V-264V	0			%	
	Line regulation	90V-264V			±1.5	%	
	Load regulation	90V-264V (10%~100%)			±2	%	
Hold-up time	115V / 60Hz	8			ms		
Environment	Operating temperature		-25		55	°C	
	Storage temperature		-25		85	°C	
	Relative Humidity				95	%RH	
	Vibration				MIL-STD-202G		
Function	Isolation voltage	1 Minute, Pri to Sec cut-off current: 5mA	3750			VAC	
	Isolation capacitance			1100		pF	
	Isolation resistance	DC 500V	1			GΩ	
	MTBF	115 VAC @25°C	TBD			Hours	
	Over load protection				Automatic recovery		
	Short circuit protection				Continuous, Automatic recovery		
	Safety Approvals				Meet 60950 / 60335-1		
Physical	Dimension	(L x W x H)		40.0x33.5x22.0 mm			
	Weight			42.0		g	
EMC	EMI	EN 55032		Class B			
	ESD	IEC61000-4-2		Criteria A			
	EFT	IEC61000-4-4		Criteria A			
	Surge	IEC61000-4-5		Criteria A			

This content is subject to change, please refer to specification for more detail.
FSP reserve the right to change the content without prior notice.

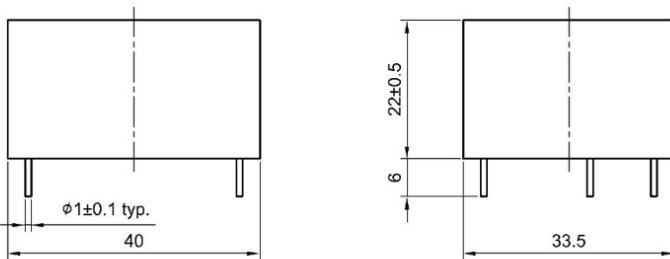
1. Ripple & Noise is test with E-Cap 47uF low ESR and 0.1uF MLCC across outputs at 20MHz bandwidth.
2. All specifications valid at nominal input voltage, full load and 25°C after warm-up time unless otherwise stated.

RIPPLE & NOISE

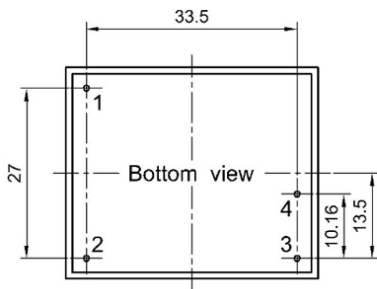
DERATING CURVE



MECHANICAL SPECIFICATION

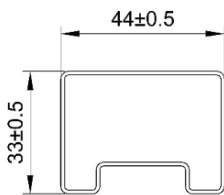


Pin	Single
1	Vin (N)
2	Vin (L)
3	+Vout
4	-Vout



Projection : Third angle projection
Unit : mm
Tolerance : ±0.25mm

PACKAGE



UNIT:mm
1 Tube = 14 pcs
Length:520±2mm