



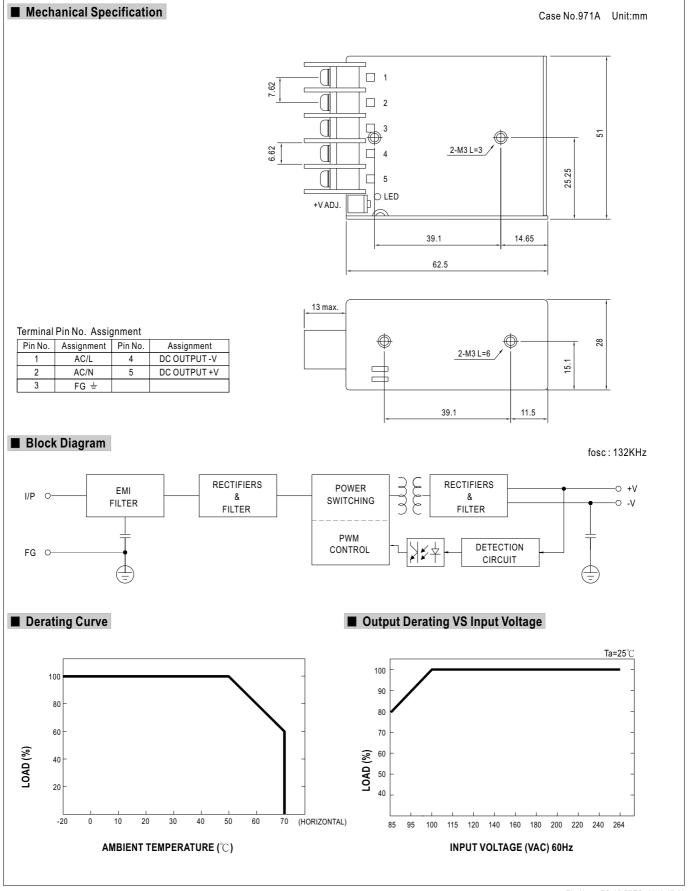
- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage / Over temperature
- · Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- No load power consumption<0.5W
- All using 105[°]C long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
- Withstand 5G vibration test
- High efficiency, long life and high reliability
- 3 years warranty

SPECIFICATION



MODEL		RS-15-3.3	RS-15-5	RS-15-12	RS-15-15	RS-15-24	RS-15-48			
	DC VOLTAGE	3.3V	5V	12V	15V	24V	48V			
ОИТРИТ	RATED CURRENT	3A	3A	1.3A	1A	0.625A	0.313A			
	CURRENT RANGE	0 ~ 3A	0 ~ 3A	0 ~ 1.3A	0 ~ 1A	0 ~ 0.625A	0 ~ 0.313A			
	RATED POWER	9.9W	15W	15.6W	15W	15W	15W			
	RIPPLE & NOISE (max.) Note.2	80mVp-p	80mVp-p	120mVp-p	120mVp-p	200mVp-p	200mVp-p			
	VOLTAGE ADJ. RANGE	2.9 ~ 3.6V	4.75 ~ 5.5V	10.8 ~ 13.2V	13.5 ~ 16.5V	22 ~ 27.6V	43.2 ~ 52.8V			
	VOLTAGE TOLERANCE Note.3		±2.0%	±1.0%	±1.0%	±1.0%	±1.0%			
		±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%			
	LOAD REGULATION Note.5	±2.0%	±1.5%	±0.5%	±0.5%	±0.5%	±0.5%			
	SETUP, RISE TIME	1000ms, 30ms/230VAC 1000ms, 30ms/115VAC at full load								
	HOLD UP TIME (Typ.)	70ms/230VAC 15ms/115VAC at full load								
	VOLTAGE RANGE	85 ~ 264VAC 120 ~ 370VDC								
	FREQUENCY RANGE	47 ~ 63Hz								
INDUT	EFFICIENCY (Typ.)	72%	77%	81%	81%	82%	82%			
INPUT	AC CURRENT (Typ.)	0.35A/115VAC	0.25A/230VAC			1				
	INRUSH CURRENT (Typ.)	COLD START 65A / 230VAC								
	LEAKAGE CURRENT	<2mA/240VAC								
		Above 105% rated output power								
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed								
		3.8 ~ 4.45V	5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	28.4 ~ 32.4V	55.2 ~ 64.8V			
PROTECTION	OVER VOLTAGE	Protection type : Shut off o/p voltage, clamping by zener diode								
		U1 Tj 140°C typically (U1) detect on main control IC								
	OVER TEMPERATURE	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down								
	WORKING TEMP.	-20 ~ +70°C (Refer to output load derating curve)								
	WORKING HUMIDITY	20 ~ 90% RH non-condensing								
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH								
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)								
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes								
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved								
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC								
SAFETY &	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH								
EMC (Note 6)	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B								
(Note 0)	HARMONIC CURRENT	Compliance to EN61000-3-2,-3								
	EMS IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8,11, ENV50204, EN55024, EN61000-6-1, light industry level, criteria A								
OTHERS	MTBF	1608.8Khrs min. MIL-HDBK-217F (25°C)								
	DIMENSION	62.5*51*28mm (L*W*H)								
	PACKING	0.13Kg; 108pcs/15Kg/0.71CUFT								
NOTE	Ripple & noise are measure Tolerance : includes set up Line regulation is measure Load regulation is measure	ally mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. ed at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. tolerance, line regulation and load regulation. d from low line to high line at rated load. ed from 0% to 100% rated load. dered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets								









- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- Withstand 300VAC surge input for 5 second
- Withstand 5G vibration test
- No load power consumption<0.5W
- High efficiency, long life and high reliability
- 3 years warranty



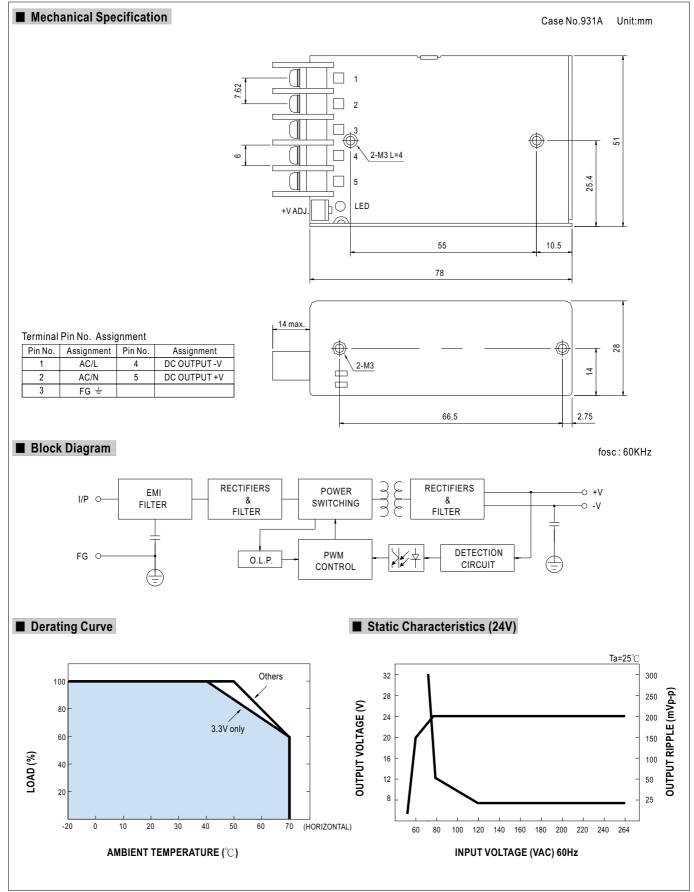


c Aus Substitute CBCE

SPECIFICATION

MODEL		RS-25-3.3	RS-25-5	RS-25-12	RS-25-15	RS-25-24	RS-25-48			
ОИТРИТ	DC VOLTAGE	3.3V	5V	12V	15V	24V	48V			
	RATED CURRENT	6A	5A	2.1A	1.7A	1.1A	0.57A			
	CURRENT RANGE	0 ~ 6A	0 ~ 5A	0 ~ 2.1A	0 ~ 1.7A	0 ~ 1.1A	0 ~ 0.57A			
	RATED POWER	19.8W	25W	25.2W	25.5W	26.4W	27.36W			
	RIPPLE & NOISE (max.) Note.2	80mVp-p	80mVp-p	120mVp-p	120mVp-p	120mVp-p	200mVp-p			
	VOLTAGE ADJ. RANGE	2.85 ~ 3.6V	4.75 ~ 5.5V	10.8 ~ 13.2V	13.5 ~ 16.5V	22 ~ 27.6V	42 ~ 54V			
	VOLTAGE TOLERANCE Note.3	±3.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%			
	LINE REGULATION Note.4	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%			
	LOAD REGULATION Note.5	±2.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%			
	SETUP, RISE TIME	1800ms, 23ms/230VAC 4000ms, 30ms/115VAC at full load								
	HOLD UP TIME (Typ.)	80ms/230VAC 14ms/115VAC at full load								
	VOLTAGE RANGE	88 ~ 264VAC 125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)								
	FREQUENCY RANGE	47 ~ 63Hz								
NPUT	EFFICIENCY(Typ.)	73.5%	78.5%	81.5%	83.5%	86%	85%			
01	AC CURRENT (Typ.)	0.7A/115VAC 0.4A/230VAC								
	INRUSH CURRENT (Typ.)	COLD START 30A/230VAC								
	LEAKAGE CURRENT	<2mA / 240VAC								
	OVERLOAD	110 ~ 180% rated output power								
PROTECTION		Protection type: Hiccup mode, recovers automatically after fault condition is removed 3.8 ~ 4.45V								
	OVER VOLTAGE	***		1	17.25 ~ 20.250	27.0 ~ 32.40	35.2 ~ 64.6 V			
		Protection type: Shut off o/p voltage, clamping by zener diode								
	WORKING TEMP.	-20 ~ +70°C (Refer to output load derating curve)								
	WORKING HUMIDITY	20 ~ 90% RH non-condensing								
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH								
	TEMP. COEFFICIENT	±0.03%°C (0 ~ 50°C)								
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes								
	SAFETY STANDARDS WITHSTAND VOLTAGE	UL60950-1, TUV EN60950-1 approved I/P-O/P:3KVAC								
SAFETY &					1					
EMC	ISOLATION RESISTANCE			0VDC / 25°C / 70% RI	1					
(Note 6)	EMI CONDUCTION & RADIATION									
	HARMONIC CURRENT EMS IMMUNITY	Compliance to EN61000-3-2,-3 Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, light industry level, criteria A								
	MTBF	•			ustry level, criteria A					
OTHERS	DIMENSION	309.7Khrs min. MIL-HDBK-217F (25°C)								
	PACKING	78*51*28mm (L*W*H) 0.2Kg; 60pcs/13Kg/0.46CUFT								
NOTE	All parameters NOT special Ripple & noise are measure Tolerance: includes set up Line regulation is measurec Load regulation is measure	lly mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. ed at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. tolerance, line regulation and load regulation. If from low line to high line at rated load. If from 0% to 100% rated load. If from low line to high line at rated load.								







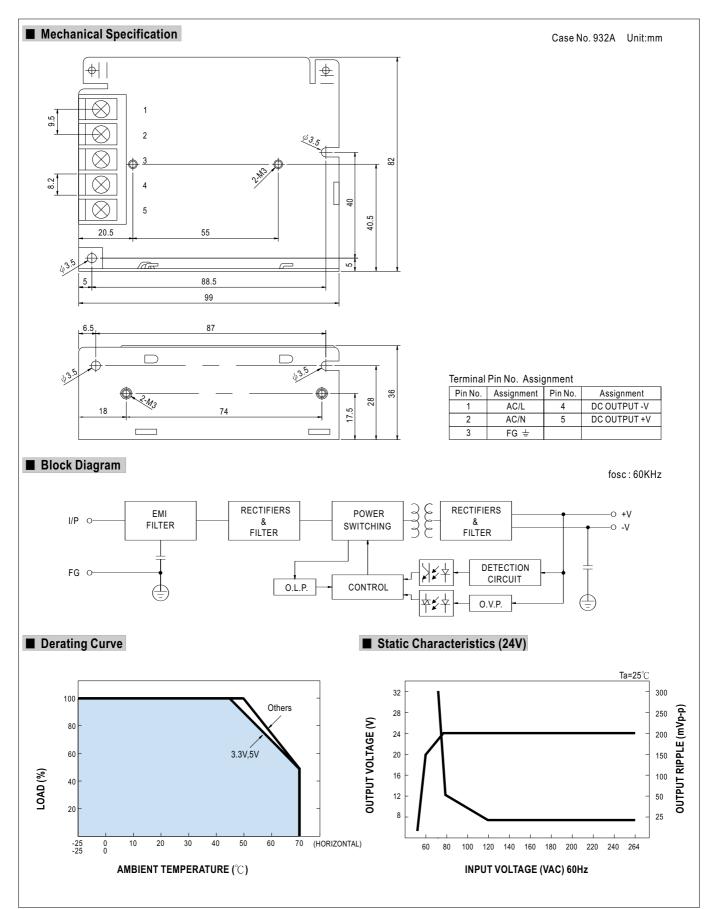


- Universal AC input / Full range
- Protections: Short circuit / Over load / Over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- No load power consumption<0.5W
- All using 105°C long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
- High operating temperature up to 70° C
- Withstand 5G vibration test
- High efficiency, long life and high reliability
- 3 years warranty



MODEL		RS-35-3.3	RS-35-5	RS-35-12	RS-35-15	RS-35-24	RS-35-48			
ОИТРИТ	DC VOLTAGE	3.3V	5V	12V	15V	24V	48V			
	RATED CURRENT	7A	7A	3A	2.4A	1.5A	0.8A			
	CURRENT RANGE	0 ~ 7A	0 ~ 7A	0 ~ 3A	0 ~ 2.4A	0 ~ 1.5A	0 ~ 0.8A			
	RATED POWER	23.1W	35W	36W	36W	36W	38.4W			
	RIPPLE & NOISE (max.) Note.2	80mVp-p	80mVp-p	120mVp-p	120mVp-p	120mVp-p	200mVp-p			
	VOLTAGE ADJ. RANGE	2.9V ~ 3.6V	4.5 ~ 5.5V	10.8 ~ 13.2V	13.5 ~ 16.5V	22 ~ 27.6V	42 ~ 54V			
	VOLTAGE TOLERANCE Note.3	±3.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%			
	LINE REGULATION Note.4	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%			
	LOAD REGULATION Note.5	±2.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%			
	SETUP, RISE TIME	500ms, 50ms/230VAC 1200ms, 50ms/115VAC at full load								
	HOLD UP TIME (Typ.)	80ms/230VAC 15ms/115VAC at full load								
	VOLTAGE RANGE	88 ~ 264VAC 125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)								
	FREQUENCY RANGE	47 ~ 63Hz	,							
INPUT	EFFICIENCY(Typ.)	76.5%	80.5%	84.5%	86%	88%	88.5%			
	AC CURRENT (Typ.)	0.8A/115VAC 0.55A/230VAC								
	INRUSH CURRENT (Typ.)	COLD START 36A/230VAC								
	LEAKAGE CURRENT	<2mA / 240VAC								
		110 ~ 150% rated output power								
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed								
PROTECTION		3.8 ~ 4.45V	5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	27.6 ~ 32.4V	55.2 ~ 64.8V			
	OVER VOLTAGE	Protection type : I	Hiccup mode, recov	ers automatically after t	fault condition is remov	/ed				
	WORKING TEMP.	-25 ~ +70°C (Refer to output load derating curve)								
	WORKING HUMIDITY	20 ~ 90% RH non-condensing								
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH								
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)								
}	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes								
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved								
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC								
SAFETY &	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH								
EMC	EMI CONDUCTION & RADIATION									
(Note 6)	HARMONIC CURRENT	Compliance to EN61000-3-2,-3								
	EMS IMMUNITY		•	8,11; ENV50204, EN61	000-6-2 (EN50082-2).	heavy industry level.	criteria A			
OTHERS	MTBF	249Khrs min. MIL-HDBK-217F (25°C)								
	DIMENSION	99*82*36mm (L*W*H)								
	PACKING	0.3Kg; 45pcs/14Kg/0.83CUFT								
NOTE	All parameters NOT specia Ripple & noise are measure Tolerance: includes set up Line regulation is measure Load regulation is measure	lly mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. ad at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. tolerance, line regulation and load regulation. If from low line to high line at rated load. d from 0% to 100% rated load. ered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets								









- Universal AC input / Full range
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- · Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- All using 105°C long life electrolytic capacitors
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- Withstand 5G vibration test
- No load power consumption<0.5W
- High efficiency, long life and high reliability
- 3 years warranty





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SPECIFICATION

MODEL		RS-50-3.3	RS-50-5	RS-50-12	RS-50-15	RS-50-24	RS-50-48			
	DC VOLTAGE	3.3V	5V	12V	15V	24V	48V			
	RATED CURRENT	10A	10A	4.2A	3.4A	2.2A	1.1A			
	CURRENT RANGE	0 ~ 10A	0 ~ 10A	0 ~ 4.2A	0 ~ 3.4A	0~2.2A	0 ~ 1.1A			
	RATED POWER	33W	50W	50.4W	51W	52.8W	52.8W			
	RIPPLE & NOISE (max.) Note.2	80mVp-p	80mVp-p	120mVp-p	120mVp-p	120mVp-p	200mVp-p			
OUTPUT	VOLTAGE ADJ. RANGE	3V ~ 3.6V	4.75 ~ 5.5V	10.8 ~ 13.2V	13.5 ~ 16.5V	22 ~ 27.2V	42 ~ 54V			
	VOLTAGE TOLERANCE Note.3	±3.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%			
	LINE REGULATION Note.4	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%			
	LOAD REGULATION Note.5	±2.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%			
	SETUP, RISE TIME	500ms, 20ms/230VAC 1200ms, 30ms/115VAC at full load								
	HOLD UP TIME (Typ.)	60ms/230VAC 14ms/115VAC at full load								
	VOLTAGE RANGE	88 ~ 264VAC 125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)								
	FREQUENCY RANGE	47 ~ 63Hz								
INDUT	EFFICIENCY(Typ.)	78%	83%	84.5%	86%	88%	89%			
INPUT	AC CURRENT (Typ.)	1.3A/115VAC 0.8A/230VAC								
	INRUSH CURRENT (Typ.)	COLD START 33A/230VAC								
	LEAKAGE CURRENT	<2mA/240VAC								
		110 ~ 150% rated output power								
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed								
PROTECTION		3.8 ~ 4.45V	5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	27.6 ~ 32.4V	55.2 ~ 64.8V			
	OVER VOLTAGE	Protection type : Hiccup mode, recovers automatically after fault condition is removed								
	WORKING TEMP.	-25 ~ +70°C (Refer to output load derating curve)								
	WORKING HUMIDITY	20 ~ 90% RH non-condensing								
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH								
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)								
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes								
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved								
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC								
SAFETY &	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH								
EMC (Note 6)	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B								
(11010 0)	HARMONIC CURRENT	Compliance to EN61000-3-2,-3								
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN61000-6-2 (EN50082-2), heavy industry level, criteria A								
OTHERS	MTBF	228Khrs min. MIL-HDBK-217F (25°C)								
	DIMENSION	99*97*36mm (L*W*H)								
	PACKING	0.41Kg; 45pcs/19.5K	<u> </u>							
NOTE	Ripple & noise are measure Tolerance : includes set up Line regulation is measure Load regulation is measure	specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. easured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. set up tolerance, line regulation and load regulation. asured from low line to high line at rated load. easured from 0% to 100% rated load. considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets								



