



① Series name
② Output wattage
③ Output voltage

MODEL	VAF503	VAF505	VAF512	VAF515	VAF524	
MAX OUTPUT WATTAGE[W]	3.3	5.0	5.4	5.25	5.28	
DC OUTPUT	VOLTAGE[V]	3.3	5	12	15	24
	CURRENT[A]	1.0 (Peak 1.2)	1.0 (Peak 1.2)	0.45 (Peak 0.54)	0.35 (Peak 0.42)	0.22 (Peak 0.27)

SPECIFICATIONS

	MODEL	VAF503	VAF505	VAF512	VAF515	VAF524	
INPUT	MODEL	AC85 - 264 1 φ or DC110 - 370					
	VOLTAGE[V]	ACIN 100V 0.15typ (Io=100%)					
		ACIN 200V 0.10typ (Io=100%)					
	CURRENT[A]	47 - 440 or DC					
	FREQUENCY[Hz]	15typ (Io=100%)					
	INRUSH CURRENT[A]	30typ (Io=100%)					
OUTPUT	LEAKAGE CURRENT[mA]	0.5max (60Hz, According to IEC60950 and DEN-AN)					
	EFFICIENCY[%]	68typ	77typ	78typ	78typ	81typ	
	VOLTAGE[V]	3.3	5	12	15	24	
	CURRENT[A]	*1 1.0 (Peak 1.2)	1.0 (Peak 1.2)	0.45 (Peak 0.54)	0.35 (Peak 0.42)	0.22 (Peak 0.27)	
	LINE REGULATION[mV]	20max	20max	48max	60max	96max	
	LOAD REGULATION[mV]	40max	40max	100max	120max	150max	
	RIPPLE[mVp-p]	0 to +55°C *2	80max	80max	120max	120max	150max
		-10 - 0°C *2	140max	140max	160max	160max	200max
		Io=100 - 120% *2	180max	180max	200max	200max	240max
	RIPPLE NOISE[mVp-p]	0 to +55°C *2	120max	120max	150max	150max	200max
-10 - 0°C *2		160max	160max	180max	180max	230max	
Io=100 - 120% *2		200max	200max	220max	220max	260max	
TEMPERATURE COEFFICIENT[mV]	-10 to +55°C	100max	50max	120max	150max	300max	
DRIFT[mV]	*3	20max	20max	48max	60max	96max	
OUTPUT VOLTAGE SETTING[V]		3.19 - 3.47	4.90 - 5.30	11.40 - 12.60	14.25 - 15.75	23.0 - 25.0	
OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		Fixed					
START-UP TIME[ms]		700max (ACIN 85V, Io=100%)					
HOLD-UP TIME[ms]		10typ (ACIN 85V, Io=100%), 20typ (ACIN 100V, Io=100%)					
PROTECTION CIRCUIT	OVERCURRENT PROTECTION	Works over 125% of rating and recovers automatically					
	OVERVOLTAGE PROTECTION	Works over 115% of rating (By zener diode clamping)					
ISOLATION	INPUT-OUTPUT	AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature)					
	INPUT-FG	AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature)					
ENVIRONMENT	OUTPUT-FG	AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature)					
	OPERATING TEMP., HUMID. AND ALTITUDE	-10 to +71°C, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max					
	STORAGE TEMP., HUMID. AND ALTITUDE	-20 to +75°C, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max					
	VIBRATION	19.6m/s ² 10 - 55Hz, 3minutes period, 60minutes each along X, Y and Z axis (Non operating)					
SAFETY AND NOISE REGULATIONS	IMPACT	196.1m/s ² 11ms, once each X, Y and Z axis (Non operating)					
	AGENCY APPROVALS	UL60950-1, C-UL, EN60950-1, EN50178 Complies with DEN-AN and IEC60950-1					
	CONDUCTED NOISE	Complies with FCC-B, VCCI-B, CISPR22-B, EN55022-B					
OTHERS	CASE SIZE/WEIGHT	32X20X72.5mm (W×H×D) / 30g max					
	COOLING METHOD	Convection					

*1 Peak load for 10sec. or less in acceptable if the total wattage is less than the rated wattage.
*2 This is the value that measured on measuring board with capacitor of 22 μF. Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent to KEISOKU-GIKEN: RM101).
*3 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.