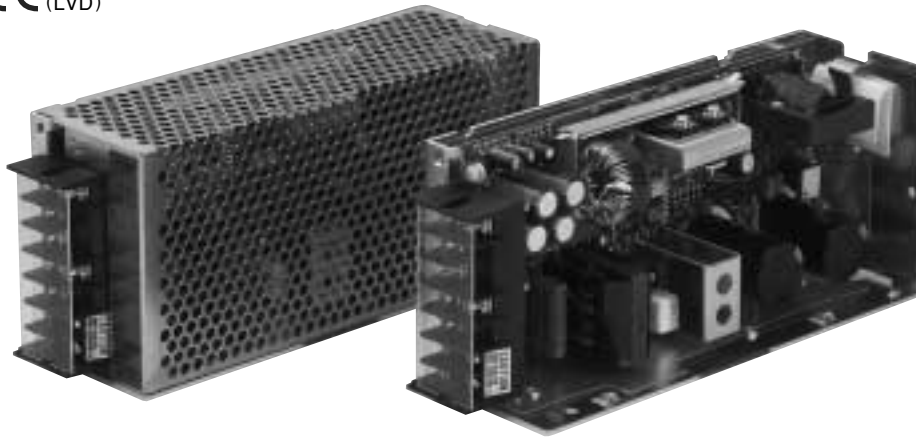




- Small size
- User selectable input voltage
(AC 85~132V/AC 170~264V)
- Built-in inrush current, overcurrent and overvoltage protection circuits
- UL recognized, TÜV approved, CSA certified
- Three-year warranty

ORDERING INFORMATION

P150E-5-

Optional: Ex. With cover: N
Output voltage
UL recognized, TÜV approved, CSA
certified: E
Output wattage
Series name

SPECIFICATIONS

★ marked models are pending for safety approvals. Consult with us for delivery.

	MODEL	P150-5	★ P150-9	P150-12	P150-15	★ P150-18	P150-24	★ P150-30	★ P150-48
INPUT	VOLTAGE/ CURRENT	AC85~132V / 170~264V 1ϕ User select / 3.2A typ (ACIN 100V, lo=100%) DC220~370V 1.7A typ (ACIN 200V, lo=100%) ※1							
	FREQUENCY	47~440Hz							
	INRUSH CURRENT	15A typ (ACIN 100V) 30A typ (ACIN 200V) (lo=100%)							
	EFFICIENCY	78%typ	78%typ	80%typ	81%typ	82%typ	82%typ	82%typ	85%typ
OUTPUT	VOLTAGE [V]	5	9	12	15	18	24	30	48
	CURRENT [A]	30	16.7	13	10	8.4	6.5	5.0	3.3
	OUTPUT WATTAGE [W]	150	150.3	156	150	151.2	156	150	158.4
	LINE REGULATION [mV]	20max	36max	48max	60max	72max	96max	120max	192max
	LOAD REGULATION [mV]	40max	72max	100max	120max	150max	150max	190max	240max
	RIPPLE [mVp-p]※2	80max	120max	120max	120max	120max	120max	150max	150max
	RIPPLE NOISE [mVp-p]※2	120max	150max	150max	150max	250max	150max	180max	200max
	TEMPERATURE REGULATION [mV] 0~50°C	50max	90max	120max	150max	180max	240max	300max	480max
	OUTPUT VOLTAGE ADJUSTMENT RANGE	±10%							
	START-UP TIME [ms]	200max (ACIN 85V, lo=100%)							
	HOLD-UP TIME [ms]	15typ (ACIN 85V, lo=100%) 25typ (ACIN 100V, lo=100%)							
PROTECTION CIRCUIT	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically.							
	OVERVOLTAGE PROTECTION	Works at 115~140% of rating							
ISOLATION	INPUT-OUTPUT	AC3,000V, 1minute, DC500V, 50MΩmin. (At Room Temperature)							
	INPUT-FG	AC2,000V, 1minute, DC500V, 50MΩmin. (At Room Temperature)							
	OUTPUT-FG	AC 500V, 1minute, DC500V, 50MΩmin. (At Room Temperature)							
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE	-10~+65°C, 30~90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max							
	STORAGE TEMP., HUMID. AND ALTITUDE	-20~+75°C, 20~90%RH (Non condensing), 9,000m (30,000feet) max							
	VIBRATION	10~55Hz, 19.6m/s ² (2G), 3 minutes period, 30 minutes along X, Y and Z axis							
	IMPACT	196.1m/s ² (20G), 11ms, once each X, Y and Z axis							
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS	UL 1950, EN60950, VDE0160, CSA C22.2 No.234 Complies with DENTORI and IEC60950							
	CONDUCTED NOISE	Complies with FCC-A							

※1 The input current of the agency approved unit is indicated as 3.5A (ACIN100V) or 1.7A (ACIN200V).

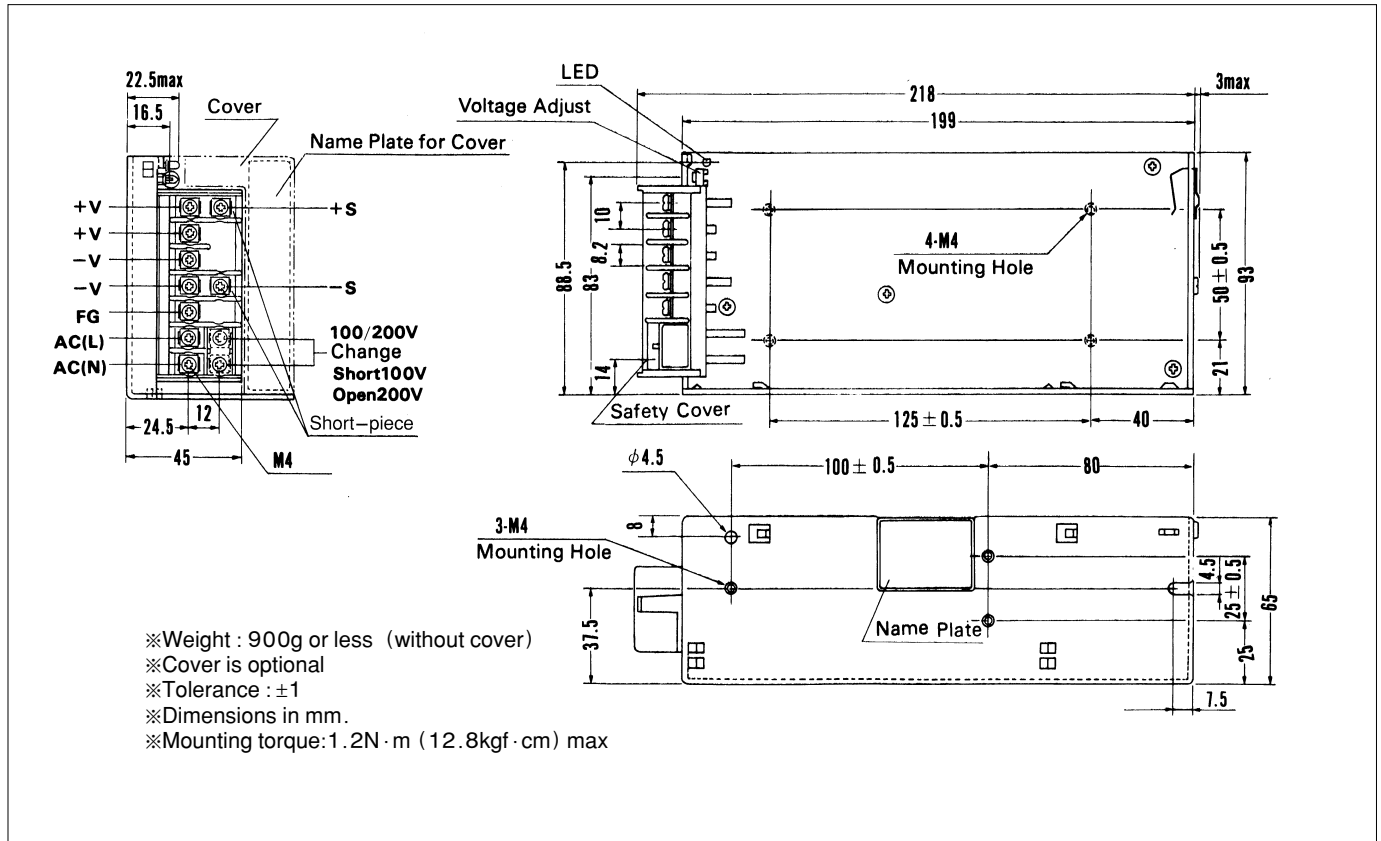
※2 According to 15MHz oscilloscope or Ripple-Noise meter (equivalent to KEISOKU-GIKEN : RM101).

※ Derating is required when operated with case cover.

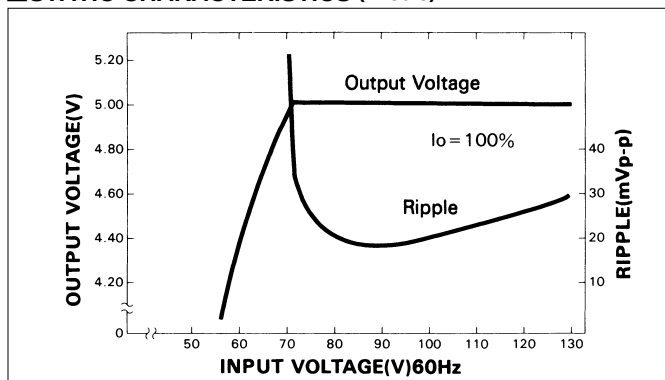
※ Parallel operation with other model is not possible.

MODEL	P150-5	P150-9	P150-12	P150-15	P150-18	P150-24	P150-30	P150-48
MAX OUTPUT WATTAGE	150W	150.3W	156W	150W	151.2W	156W	150W	158.4W
DC OUTPUT	5V30A	9V16.7A	12V13A	15V10A	18V8.4A	24V6.5A	30V5.0A	48V3.3A

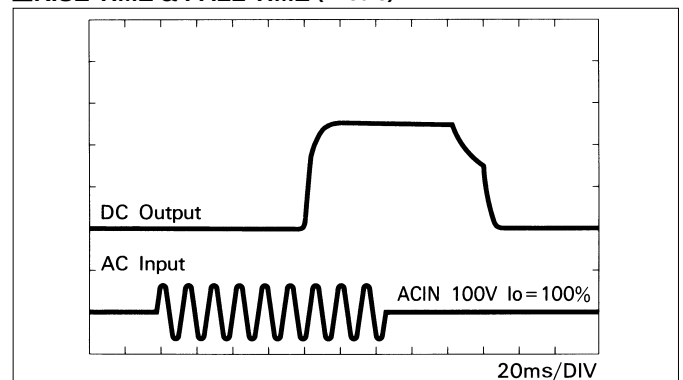
EXTERNAL VIEW



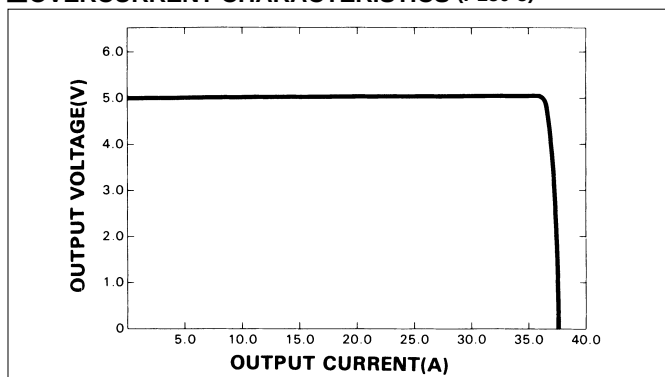
STATIC CHARACTERISTICS (P150-5)



RISE TIME & FALL TIME (P150-5)



OVERCURRENT CHARACTERISTICS (P150-5)



DERATING CURVE

