

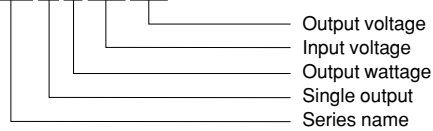
ZTS3



- Reduced the Mounted Area by Vertical Construction
- High Reliability Against Vibration by Double Pin Arrangement
- Low Radiation Noise by Metal Case
- Isolated between Input – Output
- Built-in overcurrent protection circuit
- UL, C-UL recognized, TÜV approved
- Five-year warranty

ORDERING INFORMATION

ZTS31205



SPECIFICATIONS

	MODEL	ZTS30505	ZTS30512	ZTS30515	ZTS31205	ZTS31212	ZTS31215	ZTS32405	ZTS32412	ZTS32415	ZTS34805	ZTS34812	ZTS34815	
INPUT	VOLTAGE [V]	DC4.5~9			DC9~18			DC18~36			DC 36~72			
	CURRENT [A]※1	0.896 typ	0.857 typ	0.857 typ	0.357 typ	0.338 typ	0.338 typ	0.176 typ	0.167 typ	0.167 typ	0.088 typ	0.082 typ	0.082typ	
	EFFICIENCY [%]※1	67 typ	70 typ	70 typ	70 typ	74 typ	74 typ	71 typ	75 typ	75 typ	71 typ	76 typ	76 typ	
OUTPUT	VOLTAGE [V]	5	12	15	5	12	15	5	12	15	5	12	15	
	CURRENT [A]	0.60	0.25	0.20	0.60	0.25	0.20	0.60	0.25	0.20	0.60	0.25	0.20	
	LINE REGULATION [mV]	20max	48max	60max	20max	48max	60max	20max	48max	60max	20max	48max	60max	
	LOAD REGULATION [mV]	40max	100max	120max	40max	100max	120max	40max	100max	120max	40max	100max	120max	
	RIPPLE ※3 [mVp-p]	80max	120max	120max	80max	120max	120max	80max	120max	120max	80max	120max	120max	
	RIPPLE NOISE ※3 [mVp-p]	120max	150max	150max	120max	150max	150max	120max	150max	150max	120max	150max	150max	
	TEMPERATURE REGULATION [mV]	50max	150max	180max	50max	150max	180max	50max	150max	180max	50max	150max	180max	
	DRIFT [mV]※2	20max	48max	60max	20max	48max	60max	20max	48max	60max	20max	48max	60max	
	START-UP TIME [ms]	20max (Minimum input, Io=100%)												
	OUTPUT VOLTAGE ADJUSTMENT RANGE [V]	FIXED												
PROTECTION CIRCUIT	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically												
ISOLATION	INPUT-OUTPUT	AC500V, 1 minute. Cutoff current=10mA, DC500V, 50MΩ min (At Room Temperature)												
	INPUT-CASE	AC500V, 1 minute. Cutoff current=10mA, DC500V, 50MΩ min (At Room Temperature)												
	OUTPUT-CASE	AC500V, 1 minute. Cutoff current=10mA, DC500V, 50MΩ min (At Room Temperature)												
ENVIRONMENT	OPERATING TEMP, HUMID. AND ALTITUDE	-20~+71°C, 20~95%RH (Non condensing) (Refer to DERATING CURVE) , 3,000m (10,000feet) max												
	STORAGE TEMP, HUMID. AND ALTITUDE	-40~+85°C, 20~95%RH (Non condensing) , 9,000m (30,000feet) max												
	VIBRATION	10~55Hz, 98.0m/s ² (10G) , 3 minutes period, 60 minutes along X, Y and Z axis												
	IMPACT	490.3m/s ² (50G) , 11ms, once each X, Y and Z axis												
SAFETY	AGENCY APPROVALS	UL1950, C-UL, EN60950 Complies with IEC60950												

※1 Rated input. 5V, 12V, 24V or 48V DC, Io=100%

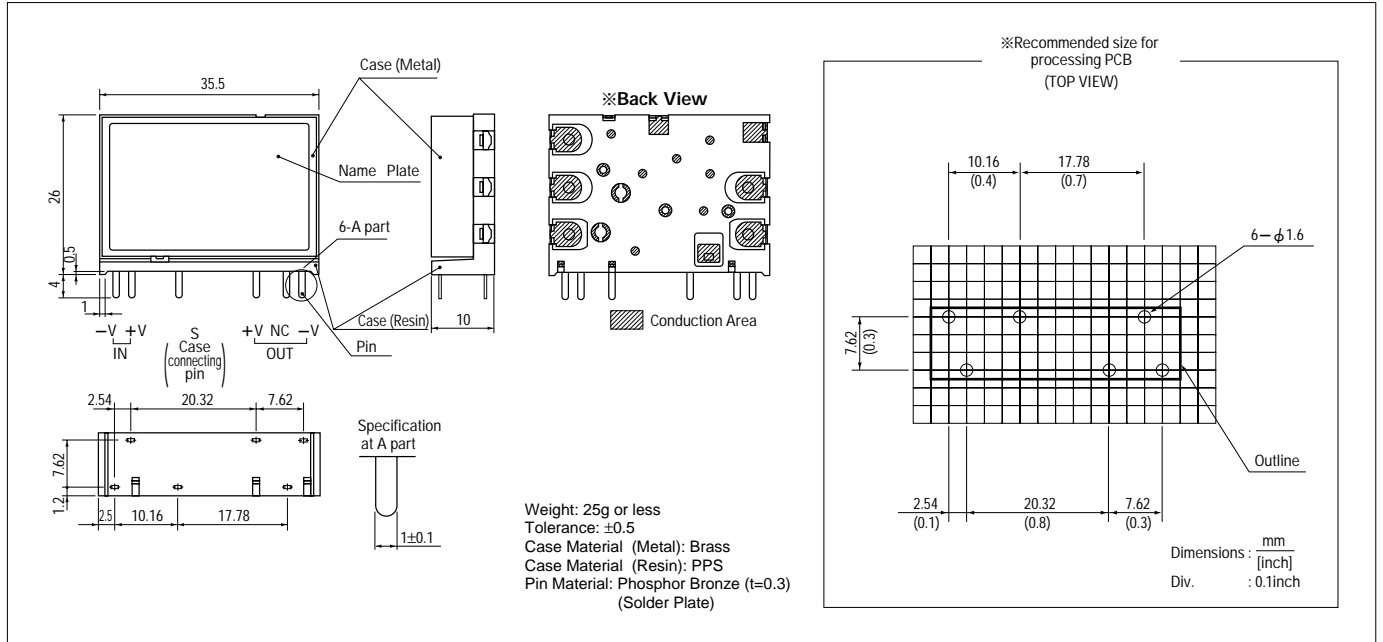
※2 The drift is a change at 25°C of ambient temperature and 30 minutes~8 hours after the input voltage applied at rated input/output.

※3 Measured by 20MHz oscilloscope.

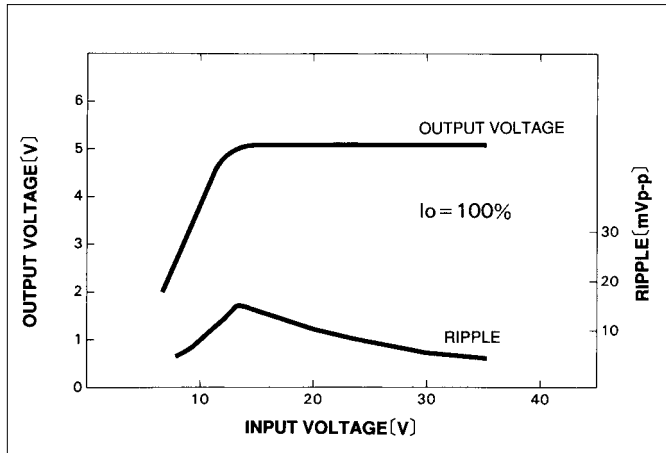
※ Series/Parallel operation with other model is not possible.

MODEL	ZTS3				ZTS3				ZTS3			
	0505	1205	2405	4805	0512	1212	2412	4812	0515	1215	2415	4815
MAX OUTPUT WATTAGE	3W				3W				3W			
DC OUTPUT VOLTAGE	5V				12V				15V			
DC OUTPUT CURRENT	0.60A				0.25A				0.20A			

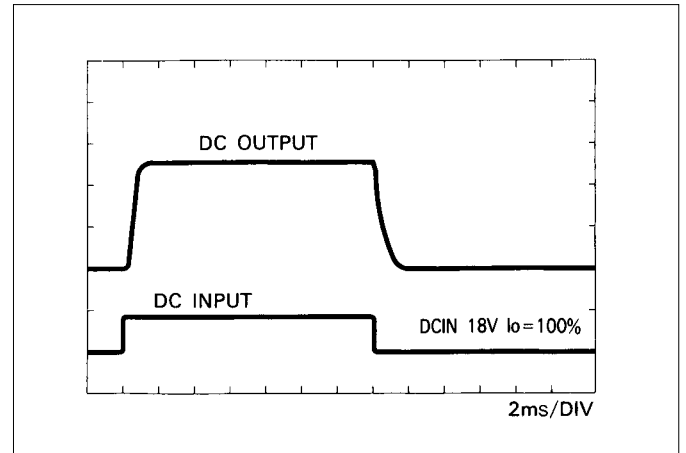
EXTERNAL VIEW



STATIC CHARACTERISTICS (ZTS32405)



RISE TIME & FALL TIME (ZTS32405)



OVERCURRENT CHARACTERISTICS (ZTS32405)

