



- Thin profile
- Isolated between input-output
- Built-in overcurrent and overvoltage protection circuits
- Built-in remote ON/OFF (Isolated from output)
- UL recognized, TÜV approved, CSA certified
- Five-year warranty

ORDERING INFORMATION

ZUS151205



SPECIFICATIONS

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

	MODEL	★ZUS15053R3	ZUS150505	ZUS150512	ZUS151205	ZUS151212	ZUS152405	ZUS152412	★ZUS15483R3	ZUS154805	ZUS154812	
INPUT	VOLTAGE [V]	DC4.5~9			DC9~18		DC18~36		DC36~75			
	CURRENT [A]※1	1.83 typ	2.50 typ	2.96 typ	1.25 typ	1.57 typ	0.63 typ	0.78 typ	0.21 typ	0.31 typ	0.39 typ	
	EFFICIENCY [%]※1	72 typ	80 typ	81 typ	80 typ	83 typ	80 typ	83 typ	78 typ	80 typ	83 typ	
OUTPUT	VOLTAGE [V]	3.3	5	12	5	12	5	12	3.3	5	12	
	CURRENT [A]	2.0	2.0	1.0	2.4	1.3	2.4	1.3	2.4	2.4	1.3	
	LINE REGULATION [mV]	20max	20max	48max	20max	48max	20max	48max	20max	20max	48max	
	LOAD REGULATION [mV]	40max	40max	100max	40max	100max	40max	100max	40max	40max	100max	
	RIPPLE ※3 [mVp-p]	80max	80max	120max	80max	120max	80max	120max	80max	80max	120max	
	RIPPLE NOISE ※3 [mVp-p]	120max	120max	150max	120max	150max	120max	150max	120max	120max	150max	
	TEMPERATURE REGULATION [mV] ※2	50max	50max	150max	50max	150max	50max	150max	50max	50max	150max	
	DRIFT [mV] ※2	20max	20max	48max	20max	48max	20max	48max	20max	20max	48max	
	START-UP TIME [ms]	100max (Minimum input, Io=100%)										
	OUTPUT VOLTAGE ADJUSTMENT RANGE	Internally fixed (TRM pin open), adjustable by external VR										
OUTPUT VOLTAGE SETTING [V]	3.20~3.47	4.85~5.25	11.4~12.6	4.85~5.25	11.4~12.6	4.85~5.25	11.4~12.6	3.20~3.47	4.85~5.25	11.4~12.6		
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION [V]	Works over 105% of rating and recovers automatically										
	OVERVOLTAGE PROTECTION	4.0~5.25V	Works at 115~140% of rating						4.0~5.25V	Works at 115~140% of rating		
	REMOTE ON/OFF	Between RC and -side of input:short~1.2V...output ON, 2.4V~5.5V (or open) ...output OFF, Compatible to TTL										
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, EN60950, CSA C22.2 No.234 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.