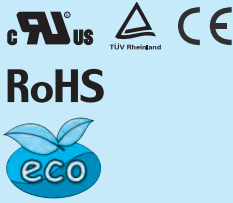


SUTS10

SUT **S** **10** **12** **05** **-** ☐

① ② ③ ④ ⑤ ⑥



① Series name
② Single output
③ Output wattage
④ Input voltage
⑤ Output voltage
⑥ Optional
G: Capacitor between Input and Output is removed.

MODEL	SUTS10053R3	SUTS100505	SUTS100512	SUTS100515	SUTS10123R3	SUTS101205	SUTS101212	SUTS101215
MAX OUTPUT WATTAGE[W]	8.58	10	10.8	10.5	8.58	10	12	12
DC OUTPUT	VOLTAGE[V] *1	3.3	5	12	15	3.3	5	12
	CURRENT[A]	2.6	2	0.9	0.7	2.6	2	1

SPECIFICATIONS

	MODEL	SUTS10053R3	SUTS100505	SUTS100512	SUTS100515	SUTS10123R3	SUTS101205	SUTS101212	SUTS101215
INPUT	VOLTAGE[V]	DC4.5 - 9				DC9 - 18			
	CURRENT[A] *2	2.12typ	2.41typ	2.54typ	2.47typ	0.872typ	0.980typ	1.15typ	1.15typ
	EFFICIENCY[%] *2	81typ	83typ	85typ	85typ	82typ	85typ	87typ	87typ
OUTPUT	VOLTAGE[V]	3.3	5	12	15	3.3	5	12	15
	CURRENT[A]	2.6	2	0.9	0.7	2.6	2	1	0.8
	LINE REGULATION[mV]	20max	20max	48max	60max	20max	20max	48max	60max
	LOAD REGULATION[mV]	40max	40max	100max	120max	40max	40max	100max	120max
	RIPPLE[mVp-p]	-20 to +55℃ *3	80max	80max	120max	120max	80max	80max	120max
		-40 to -20℃ *3	120max	120max	150max	150max	120max	120max	150max
	RIPPLE NOISE[mVp-p]	-20 to +55℃ *3	120max	120max	150max	150max	120max	120max	150max
		-40 to -20℃ *3	200max	200max	200max	200max	200max	200max	200max
	TEMPERATURE REGULATION[mV]	-20 to +55℃	50max	50max	150max	180max	50max	50max	150max
		-40 to +55℃	80max	80max	240max	290max	80max	80max	240max
	DRIFT[mV] *4	20max	20max	48max	60max	20max	20max	48max	60max
PROTECTION CIRCUIT AND OTHERS	START-UP TIME[ms]	20max (Minimum input, Io=100%)							
	OUTPUT VOLTAGE ADJUSTMENT RANGE	Fixed (TRM pin open) ±5% adjustable by external VR							
	OUTPUT VOLTAGE SETTING[V] (±3%)	3.21 - 3.42	4.90 - 5.21	11.64 - 12.36	14.55 - 15.45	3.21 - 3.42	4.90 - 5.21	11.64 - 12.36	14.55 - 15.45
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically							
	REMOTE ON/OFF	Provided (Negative logic L : ON, H : OFF)							

MODEL	SUTS10243R3	SUTS102405	SUTS102412	SUTS102415	SUTS10483R3	SUTS104805	SUTS104812	SUTS104815
MAX OUTPUT WATTAGE[W]	8.58	10	12	12	8.58	10	12	12
DC OUTPUT	VOLTAGE[V] *1	3.3	5	12	15	3.3	5	12
	CURRENT[A]	2.6	2	1	0.8	2.6	2	1

SPECIFICATIONS

	MODEL	SUTS10243R3	SUTS102405	SUTS102412	SUTS102415	SUTS10483R3	SUTS104805	SUTS104812	SUTS104815
INPUT	VOLTAGE[V]	DC18 - 36				DC36 - 76			
	CURRENT[A] *2	0.436typ	0.490typ	0.575typ	0.575typ	0.218typ	0.245typ	0.287typ	0.287typ
	EFFICIENCY[%] *2	82typ	85typ	87typ	87typ	82typ	85typ	87typ	87typ
OUTPUT	VOLTAGE[V]	3.3	5	12	15	3.3	5	12	15
	CURRENT[A]	2.6	2	1	0.8	2.6	2	1	0.8
	LINE REGULATION[mV]	20max	20max	48max	60max	20max	20max	48max	60max
	LOAD REGULATION[mV]	40max	40max	100max	120max	40max	40max	100max	120max
	RIPPLE[mVp-p]	-20 to +55℃ *3	80max	80max	120max	120max	80max	80max	120max
		-40 to -20℃ *3	120max	120max	150max	150max	120max	120max	150max
	RIPPLE NOISE[mVp-p]	-20 to +55℃ *3	120max	120max	150max	150max	120max	120max	150max
		-40 to -20℃ *3	200max	200max	200max	200max	200max	200max	200max
	TEMPERATURE REGULATION[mV]	-20 to +55℃	50max	50max	150max	180max	50max	50max	150max
		-40 to +55℃	80max	80max	240max	290max	80max	80max	240max
	DRIFT[mV] *4	20max	20max	48max	60max	20max	20max	48max	60max
PROTECTION CIRCUIT AND OTHERS	START-UP TIME[ms]	20max (Minimum input, Io=100%)							
	OUTPUT VOLTAGE ADJUSTMENT RANGE	Fixed (TRM pin open) ±5% adjustable by external VR							
	OUTPUT VOLTAGE SETTING[V] (±3%)	3.21 - 3.42	4.90 - 5.21	11.64 - 12.36	14.55 - 15.45	3.21 - 3.42	4.90 - 5.21	11.64 - 12.36	14.55 - 15.45
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically							
	REMOTE ON/OFF	Provided (Negative logic L : ON, H : OFF)							

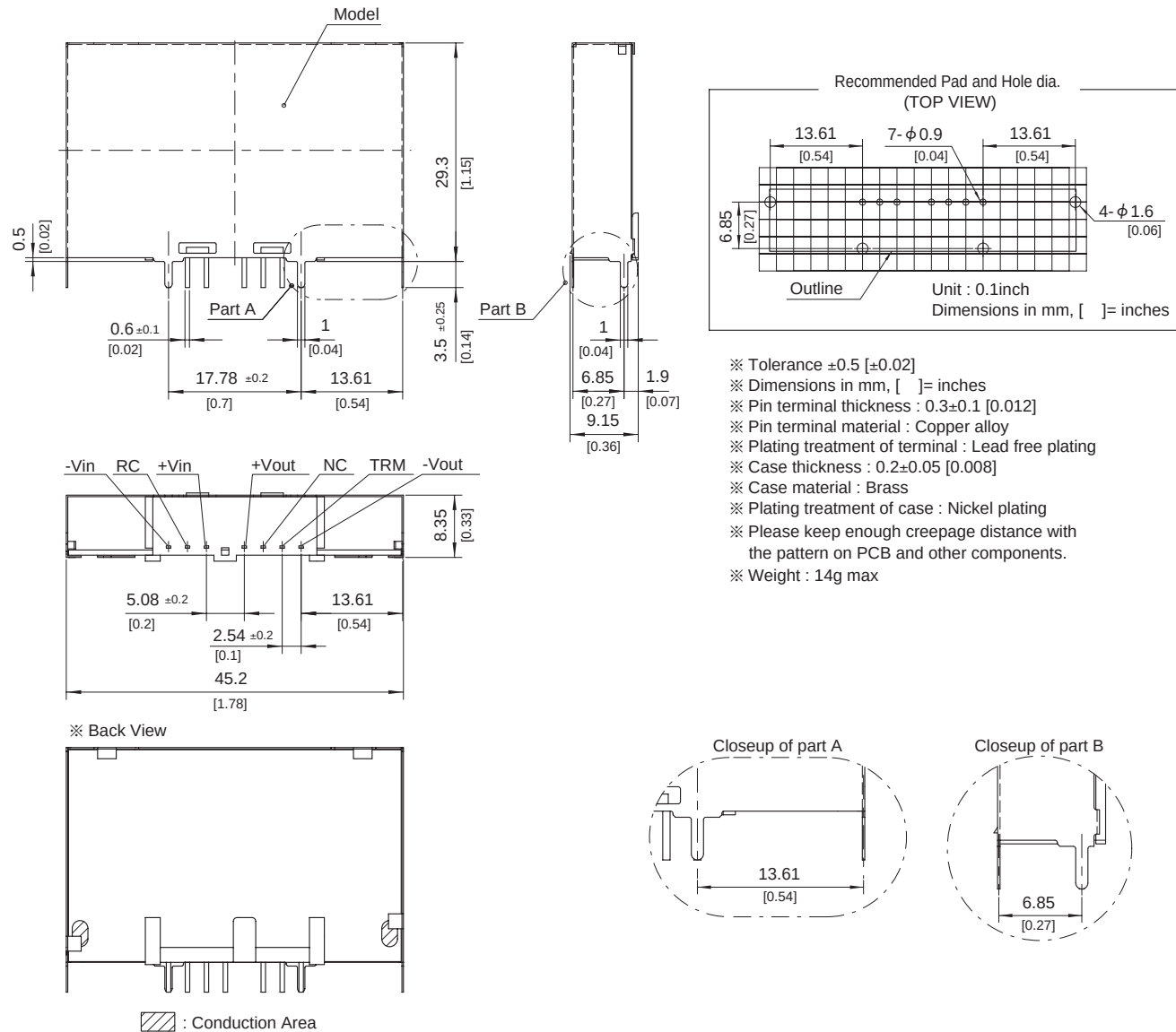
SU-SUC/SUT-38

GENERAL SPECIFICATIONS

ISOLATION	INPUT-OUTPUT	AC500V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (20 $\pm$ 15 $^{\circ}$ C)
	INPUT-CASE	AC500V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (20 $\pm$ 15 $^{\circ}$ C)
	OUTPUT-CASE	AC500V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (20 $\pm$ 15 $^{\circ}$ C)
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE	-40 to +85 $^{\circ}$ C, 20 - 95%RH (Non condensing) (Required Derating), 3,000m (10,000feet) max
	STORAGE TEMP., HUMID. AND ALTITUDE	-40 to +100 $^{\circ}$ C, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max
	VIBRATION	10 - 55Hz, 98.0m/s ² (10G), 3minutes period, 60minutes each along X, Y and Z axis
	IMPACT	490.3m/s ² (50G), 11ms, once each along X, Y and Z axis
SAFETY	AGENCY APPROVALS	UL60950-1, C-UL, EN60950-1
OTHERS	CASE SIZE/WEIGHT	45.2 X 29.3 X 9.15mm [1.78 X 1.15 X 0.36 inches] (W X H X D) / 14g max
	COOLING METHOD	Convection/Forced air

- *1 SUTW10xx12/SUTW10xx15 is available as single output, +24V/+30V.
 *2 Rated input 5V, 12V, 24V or 48V DC $I_o=100\%$
 *3 Ripple and Ripple Noise is measured by using measuring board with capacitor with in 25mm from output pin terminals.
 *4 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25 $^{\circ}$ C.
 * Parallel operation with other model is not possible.

External view



Mouser Electronics

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[SUTS10053R3](#) [SUTS10483R3](#) [SUTS100515](#) [SUTS104815](#) [SUTS10243R3](#) [SUTS102415](#)