



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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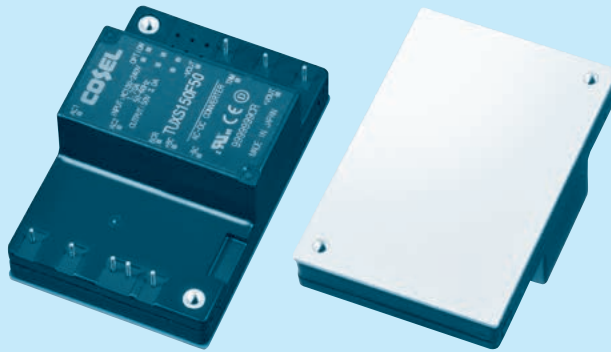
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



TUXS150F

TUX S 150 F 50 -□

① ② ③ ④ ⑤ ⑥



- ① Series name
- ② Single output
- ③ Output wattage
- ④ Universal Input
- ⑤ Output voltage
- ⑥ Optional
 - T : with Mounting hole (φ 3.4 thru)
 - N : Auto restart in protection circuit working

* Avoid short circuit between +BC and -BC. It may cause the failure of inside components.
 * Keep TRM open, if output voltage adjustment is not necessary.

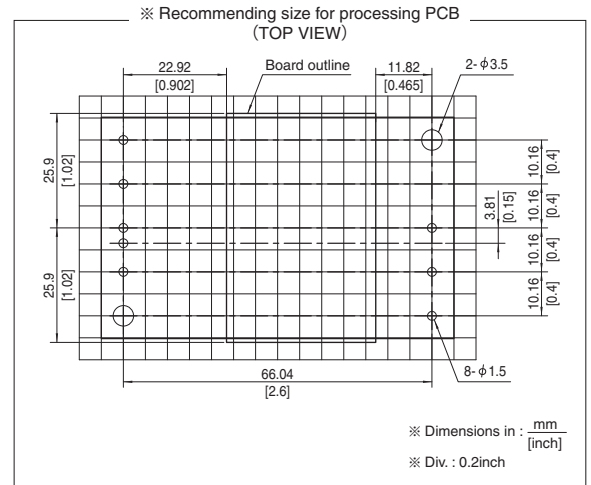
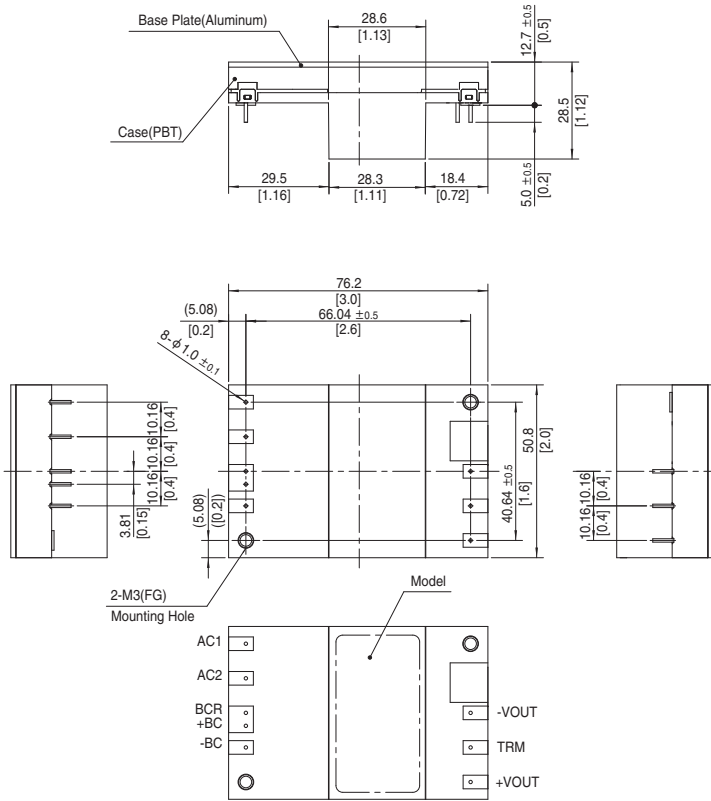
MODEL	TUXS150F50
MAX OUTPUT WATTAGE[W]	150.0
DC OUTPUT	50V 3A

SPECIFICATIONS

MODEL		TUXS150F50	
INPUT	VOLTAGE[V]	AC85 - 264 1 φ	
	CURRENT[A]	ACIN 100V	1.70typ (Io=100%)
		ACIN 200V	0.80typ (Io=100%)
	FREQUENCY[Hz]	50/60 (45 - 66)	
	EFFICIENCY[%]	ACIN 100V	93typ
		ACIN 200V	94typ
	POWER FACTOR (Io=100%)	ACIN 100V	0.96typ
		ACIN 200V	0.93typ
	INRUSH CURRENT	Limited by external components (Thermistor)	
	LEAKAGE CURRENT[mA]	0.75max (ACIN 240V 60Hz, Io=100%, According to IEC60950-1)	
OUTPUT	VOLTAGE[V]	50	
	CURRENT[A]	3	
	LINE REGULATION[mV]	100max	
	LOAD REGULATION[mV]	100max	
	RIPPLE[mVp-p]	-20 to +100°C *1	200max
		-40 to -20°C *1	300max
	RIPPLE NOISE[mVp-p]	-20 to +100°C *1	200max
		-40 to -20°C *1	300max
	TEMPERATURE REGULATION[mV]	0 to +100°C	500max
		-40 to +100°C	1000max
DRIFT[mV]	*2	200max	
OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	Fixed (TRM pin open), adjustable by external resistor or external signal 45.0 - 55.0		
OUTPUT VOLTAGE SETTING[V]	49.2 - 50.8		
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically	
	OVERVOLTAGE PROTECTION[V]	57.5 - 67.5	
	REMOTE SENSING	Not provided	
	REMOTE ON/OFF	Not provided	
ISOLATION	INPUT-OUTPUT	AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)	
	INPUT-FG	AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)	
	OUTPUT-FG	AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (20±15°C)	
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE	-40 to +100°C (On aluminum base plate), 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 4,000m (13,000 feet) max	
	STORAGE TEMP., HUMID. AND ALTITUDE	-40 to +100°C, 20 - 95%RH (Non condensing), 9,000m (30,000 feet) max	
	VIBRATION	10 - 55Hz, 49.0m/s ² (5G), 3minutes period, 60minutes each along X, Y and Z axis	
	IMPACT	196.1m/s ² (20G), 11ms, once each along X, Y and Z axis	
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS	UL60950-1, C-UL (CSA60950-1), EN60950-1, EN50178	
	HARMONIC ATTENUATOR	Complies with IEC61000-3-2 (Class A) *3	
OTHERS	CASE SIZE/WEIGHT	76.2×28.5×50.8mm [3.0×1.12×2.0 inches] (W×H×D) / 150g max	
	COOLING METHOD	Conduction cooling (e.g. heat radiation from the aluminum base plate to the attached heat sink)	

*1 Refer to instruction manual for measuring method of electric characteristics.
 *2 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.
 *3 Please contact us about another class.

External view

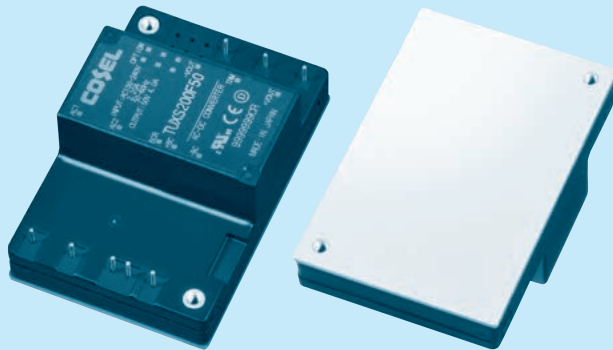


- ※ Tolerance : ± 0.3 [± 0.012]
- ※ Weight : 150g max
- ※ Dimensions in mm, []=inches
- ※ Mounting hole screwing torque : 0.49N/m (5.0kgf/cm) max

TUXS200F

TUX S 200 F 50 -□

① ② ③ ④ ⑤ ⑥



- ① Series name
- ② Single output
- ③ Output wattage
- ④ Universal Input
- ⑤ Output voltage
- ⑥ Optional
 - T : with Mounting hole (φ 3.4 thru)
 - N : Auto restart in protection circuit working

* Avoid short circuit between +BC and -BC. It may cause the failure of inside components.
 * Keep TRM open, if output voltage adjustment is not necessary.

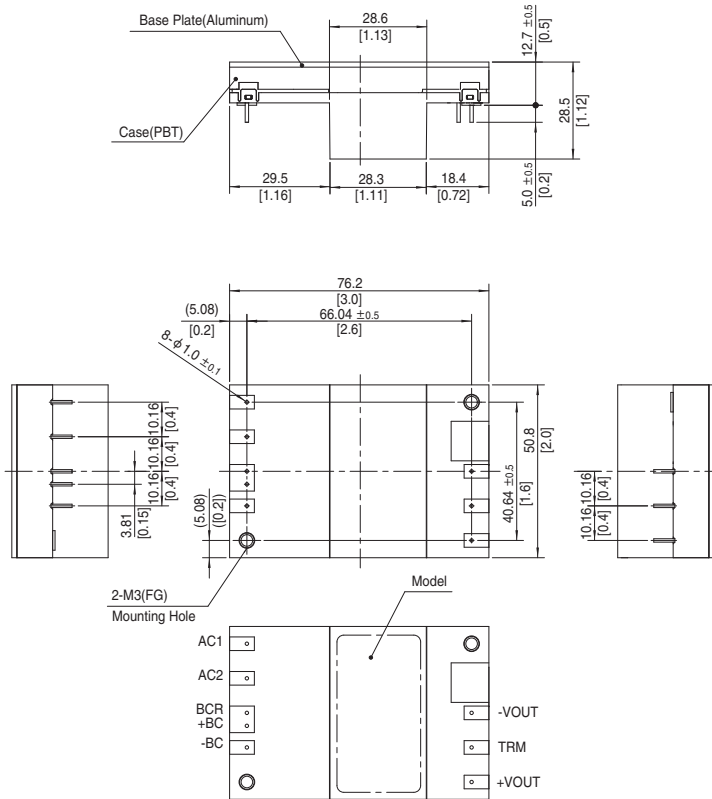
MODEL	TUXS200F24	TUXS200F28	TUXS200F32	TUXS200F42	TUXS200F50
MAX OUTPUT WATTAGE[W]	199.2	196.0	198.4	197.4	200.0
DC OUTPUT	24V 8.3A	28V 7.0A	32V 6.2A	42V 4.7A	50V 4.0A

SPECIFICATIONS

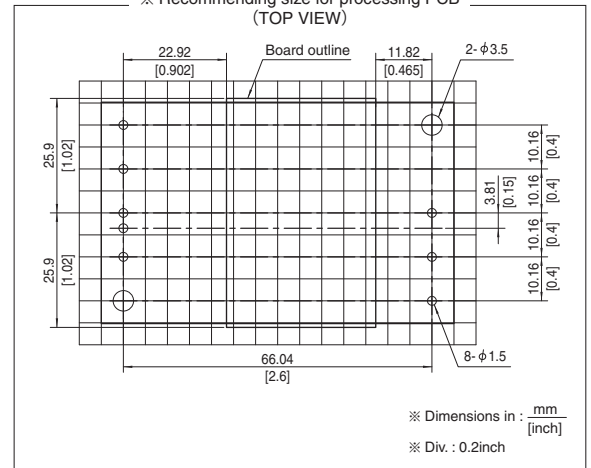
	MODEL	TUXS200F24	TUXS200F28	TUXS200F32	TUXS200F42	TUXS200F50	
INPUT	VOLTAGE[V]	AC85 - 264 1 φ					
	CURRENT[A]	ACIN 100V	2.20typ (Io=100%)				
		ACIN 200V	1.10typ (Io=100%)				
	FREQUENCY[Hz]	50/60 (45 - 66)					
	EFFICIENCY[%]	ACIN 100V	90typ	90typ	91typ	91typ	92typ
		ACIN 200V	91typ	91typ	92typ	92typ	93typ
	POWER FACTOR (Io=100%)	ACIN 100V	0.96typ				
		ACIN 200V	0.93typ				
INRUSH CURRENT	Limited by external components (Thermistor)						
LEAKAGE CURRENT[ma]	0.75max (ACIN 240V 60Hz, Io=100%, According to IEC60950-1)						
OUTPUT	VOLTAGE[V]	24	28	32	42	50	
	CURRENT[A]	8.3	7.0	6.2	4.7	4.0	
	LINE REGULATION[mV]	48max	56max	64max	84max	100max	
	LOAD REGULATION[mV]	48max	56max	64max	84max	100max	
	RIPPLE[mVp-p]	-20 to +100°C *1	144max	168max	192max	252max	300max
		-40 to -20°C *1	192max	224max	256max	336max	400max
	RIPPLE NOISE[mVp-p]	-20 to +100°C *1	144max	168max	192max	252max	300max
		-40 to -20°C *1	192max	224max	256max	336max	400max
	TEMPERATURE REGULATION[mV]	0 to +100°C	240max	280max	320max	420max	500max
		-40 to +100°C	480max	560max	640max	820max	1000max
	DRIFT[mV]	*2	96max	112max	128max	168max	200max
OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	Fixed (TRM pin open), adjustable by external resistor or external signal						
OUTPUT VOLTAGE SETTING[V]	21.60 - 26.40	25.20 - 30.80	28.80 - 35.20	37.80 - 46.20	45.00 - 55.00		
OUTPUT VOLTAGE SETTING[V]	23.62 - 24.38	27.55 - 28.45	31.49 - 32.51	41.33 - 42.67	49.20 - 50.80		
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically					
	OVERVOLTAGE PROTECTION[V]	27.60 - 28.80	32.20 - 33.60	36.80 - 38.40	48.30 - 50.40	57.50 - 60.00	
	REMOTE SENSING	Not provided					
	REMOTE ON/OFF	Not provided					
ISOLATION	INPUT-OUTPUT	AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)					
	INPUT-FG	AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)					
	OUTPUT-FG	AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (20±15°C)					
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE	-40 to +100°C (On aluminum base plate), 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 4,000m (13,000 feet) max					
	STORAGE TEMP., HUMID. AND ALTITUDE	-40 to +100°C, 20 - 95%RH (Non condensing), 9,000m (30,000 feet) max					
	VIBRATION	10 - 55Hz, 49.0m/s ² (5G), 3minutes period, 60minutes each along X, Y and Z axis					
	IMPACT	196.1m/s ² (20G), 11ms, once each along X, Y and Z axis					
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS	UL60950-1, C-UL (CSA60950-1), EN60950-1, EN50178					
	HARMONIC ATTENUATOR	Complies with IEC61000-3-2 (Class A) *3					
OTHERS	CASE SIZE/WEIGHT	76.2×28.5×50.8mm [3.0×1.12×2.0 inches] (W×H×D) / 150g max					
	COOLING METHOD	Conduction cooling (e.g. heat radiation from the aluminum base plate to the attached heat sink)					

*1 Refer to instruction manual for measuring method of electric characteristics.
 *2 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.
 *3 Please contact us about another class.

External view



※ Recommending size for processing PCB (TOP VIEW)



※ Dimensions in : mm
[inch]
※ Div. : 0.2inch

- ※ Tolerance : ± 0.3 [± 0.012]
- ※ Weight : 150g max
- ※ Dimensions in mm, []=inches
- ※ Mounting hole screwing torque : 0.49N/m (5.0kgf/cm) max