

MTS150-□F Series



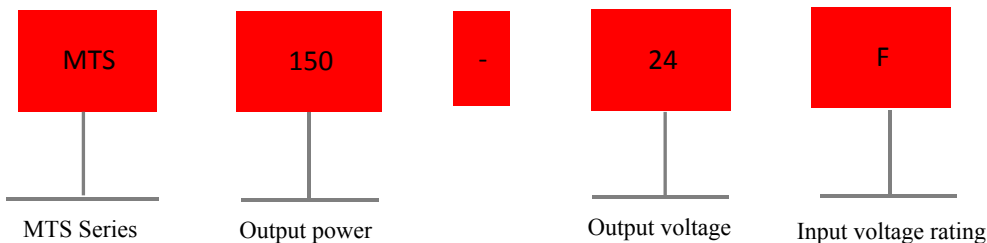
▲ Features

- No load power consumption <math>< 0.5W</math>
- Withstand 300VAC surge input for 5 second
- Miniature size and 1U low profile
- High operating temperature up to 70°C
- Protections: short circuit/overload/over voltage/over temperature
- Universal AC input /Full range
- Withstand 5G vibration test
- High efficiency, long life and high reliability
- Cooling by free air convection
- Operating altitude up to 5000meters
- LED indicator for power on
- 100% full load burn-in test
- 3 years warranty

▲ Applications

- Industrial automation control system
- Intelligent control system
- Electronic instruments and devices
- LED control
- Household appliances

▲ Model code





Electrical specifications

Input parameter						
Voltage range	85-264VAC 120-373VDC					
AC current	3A/115VAC 2A/230VAC					
Frequency range	47-63Hz					
Inrush current (max)	45A/230VAC					
Output parameter						
DC voltage (V)	5V	12V	15V	24V	36V	48V
Efficiency	85%	88%	89%	89%	89%	90%
Rated Current (A)	17A	12.5A	10A	6.5A	4.3A	3.3A
Voltage adj.range	±10%					
Rated power(W)	85W	150W	150W	156W	154.8W	158.4W
Ripple & noise(max)Note.2	100mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p
Voltage tolerance Note.3	±2%	±1%	±1%	±1%	±1%	±1%
Line regulation Note.4	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Load regulation Note.5	±1%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Setup, rise time	1000ms 30ms/230VAC 1500ms 30ms/115VAC(at full load)					
Hold up time	50ms/230VAC 30ms/115VAC (at full load)					
Status indicator	Green LED					
Protect function						
Overload	The rated output power is 110%-150%					
	Protection mode: Hiccup mode, recovers automatically after fault condition is removed					
Over voltage(V)	5.75-6.75V	13.8-16.2V	18.75-21.75V	28.8-33.6V	41.4-48.6V	55.2-64.8V
	Protection mode:Hiccup mode, recovers automatically after fault condition is removed					
Over temperature	Turn off output, return to normal temperature and return to normal.					
Safety and electromagnetic compatibility						
Withstand voltage	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC					
Isolation resistance	I/P-O/P,I/P-FG,O/P-FG :100M Ohms/500VDC/25°C/70% RH					
Safety specification Note.6	60950-1、GB4943.1					
EMC emission	Design reference EN55022(CISPR22)Class B,EN61000-3-2,-3					
EMC immunity	Design reference EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61000-6-1, light industry level, criteria A					
Environmental parameters						
Working temperature	- 25~+70 °C (Refer to "Derating curve ")					
Storage temperature	- 40~+85°C					
Storage humidity	10-95% RH					
Vibration	10-500Hz,2G 10 min/cycle X,Y,Z axis 60 minutes.					
The other parameters						
Mean time between failure	648.6K hrs min MIL-HDBK-217F(25°C)					
Installation	Back-mounted					
Protection class	IP20					
Weight	0.3kg					
Length*width*height	160*96.5*30					
Order data	Parameters to describes			Order type		
	MTS 85W 17A/5V			MTS150-05F		
	MTS 150W 12.5A/12V			MTS150-12F		
	MTS 150W 10A/15V			MTS150-15F		
	MTS 156W 6.5A/24V			MTS150-24F		
	MTS 154.8W 4.3A/36V			MTS150-36F		
	MTS 158.4W 3.3A/48V			MTS150-48F		

