

MTS050-DF Series



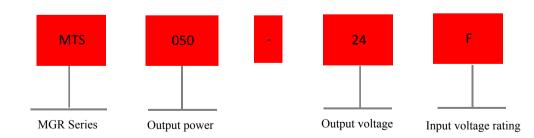
▲ Features

3 years warranty ▲ Model code

No load power consumption < 0.2W 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 Universal AC input /Full range Withstand 5G vibration test High effciency,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

▲ Applications

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



Electrical specifications

Input parameter								
Voltage range	85-264VAC	120-373VDC						
AC current	85-264VAC 120-373VDC							
Frequency range	0.95A/115VAC 0.56A/230VAC							
Inrush current (max)	47-63Hz 45A/230VAC							
Output parameter	43A/230VAC							
	3.3	5V	1217	151/	24V	36V	4037	
DC voltage (V)	5.5 80%		12V 86%	15V 88%		36 V 89%	48V 90%	
Efficiency Voltage adj.range	±10%	83%	80%	88%	88%	89%	90%	
Rated Current (A)	±10%	10A	4.2A	3.4A	2.2A	1.45A	1.1A	
· · ·	33W	50W	4.2A 50.4W	5.4A	52.8W	52.2W	52.8W	
Rated power(W) Ripple & noise(max)Note.2								
Voltage tolerange Note.3	80mVp-p ±3%	80mVp-p ±2%	120mVp-p ±1%	120mVp-p ±1%	150mVp-p ±1%	200mVp-p ±1%	200mVp-p ±1%	
Line regulation Note.4	±0.5%	±2%	$\pm 1\%$ $\pm 0.5\%$	±1%	±1%	$\pm 1\%$ $\pm 0.5\%$	±0.5%	
Load regulation Note.5	$\pm 2\%$ $\pm 1\%$ $\pm 0.5\%$ $\pm 0.5\%$ $\pm 0.5\%$ $\pm 0.5\%$ 1000ms 30ms/230VAC 2000ms 30ms/115VAC(at full load)							
Setup, rise time								
Hold up time	20ms/230VAC 16ms/115VAC(at full load)							
Status indicator	Green LED							
Protect function	1							
Overload	The rated output power is 110%-150% Protection mode: Hiccup mode, recovers automatically after fault condition is removed							
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Over voltage(V)	3.8-4.45V	5.9-7.3V	13.8-16.2V	18.75-21.75V	28.8-33.6V	41.4-48.6V	55.2-64.8V	
		le:Hiccup mod	e, recovers auton	natically after fault	t condition is remov	ed		
Safety and electromagnetic com								
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	60950-1、GB4943.1							
EMC emission	Design Reference EN55022(CISPR22)Class B,EN61000-3-2,-3							
EMC immunity	Design Referen	nce EN61000-4	-2, 3, 4, 5,	6, 8, 11, EN61	000-6-1, light indus	stry 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	645K hrs min MIL-HDBK-217F(25℃)							
Installation	Back-mounted							
Protection class	IP20							
Weight	0.2kg							
Length*width*height	99*82*30	99*82*30						
Order data	Parameters to describes Order type							
	MTS 33.0W 10A/3.3V				MTS050-03F			
	MTS 50.0W 10A/5V MTS050-05F							
	MTS 50.4W 4	MTS 50.4W 4.2A/12V MTS050-12F						
	MTS 51.0W 3	MTS 51.0W 3.4A/15V MTS050-15F						
	MTS 52.8W 2	MTS 52.8W 2.2A/24V MTS050-24F						
	MTS 52.2W 1	MTS 52.2W 1.45A/36V MTS050-36F						
	MTS 52.8W 1	MTS 52.8W 1.1A/48V MTS050-48F						

Mibbo

