



# ETA-USA

## HIGH QUALITY SWITCHING POWER SUPPLIES

AC/DC SWITCHING ADAPTOR DESKTOP  
SINGLE OUTPUT / UNIVERSAL RANGE INPUT  
WITH ACTIVE PFC

80 WATTS



## DTC80-xSX-F-W SERIES

3-pole IEC-C14 AC inlet, Class 1  
Meets LEVEL V Efficiency requirements  
2 year warranty



DIMENSION: L132×W69×H40mm

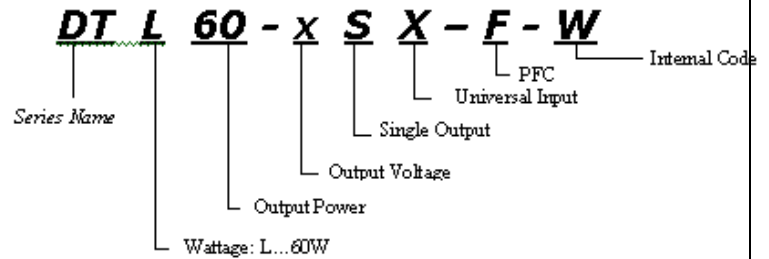
### Input

**Input Voltage Range:** 90-264VAC (Full Range)  
**Input Current (rms):** 2A @ 90VAC; 1A @ 264VAC MAX.  
**Frequency:** 47 - 63Hz  
**Power factor:** >0.9 (20%~100% Load)  
**Efficiency:** >80% @ full load, 115VAC

### Options

N/A

### General Description



### Features

1. High Reliability
2. 100% BURN-IN Tested
3. 100% Hi-Pot tested
4. Safety Approvals, EMC compliance





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Environmental Specification	
Operating Temperature	0°C TO +40°C
Storage Temperature	-10°C +70°C
MTBF	>80'000 Hours at full load and 25°C ambient temp.
Protection	
Over voltage protection, AC recycles; Short circuit protection, Auto recovery.	
Safety	UL 60950 Third Edition      CSA C22.2-No.60950 TUV EN60950      CB IEC 60950
EMI STANDARDS	FCC Class B   CISPR22 Class B   EN 55022 Class B EN 61000-3-2      CE
Dimension	L132×W69×H40mm
AC Input Connector	IEC 320-C14 Inlet

Output Characteristic	Unit	DTC80-09SX-F-W	DTC80-12SX-F-W	DTC80-15SX-F-W	DTC80-18SX-F-W	DTC80-24SX-F-W
		Output Voltage	Vdc	9	12	15
Output Current	A	8	6.67	5.33	4.45	3.34
Output Power	W	72	80	80	80	80
Ripple and Noise	mV <sub>p-p</sub>	90	120	150	180	240
Output Regulation	%	± 5%				
Hold up time	mS	10ms (typical at full load @ 115VAC)				

<b>Efficiency</b>	<b>%</b>	<b>87% At Full Load@115Vac</b>
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Note: 1. Peak to Peak with 20MHz bandwidth with a tantalum 10uF in parallel with a 0.1uF ceramic capacitor.

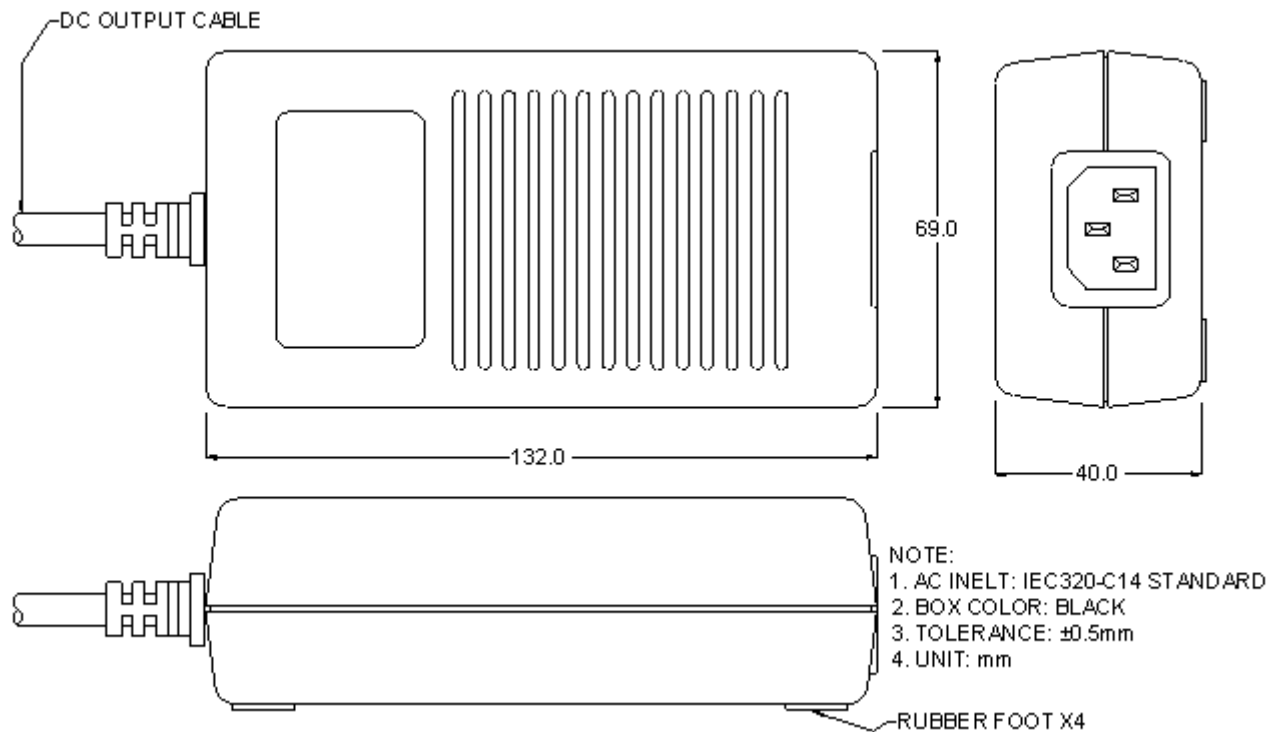




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## Dimension Diagram





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## Derating Curve

