AC/DC Power Modules

TMP & TMPM Series, 4 to 60 Watt

CB Scheme | UL 60950-1 | UL 508

Features

- Ultra compact, low profile plastic casing
- Fully encapsulated (pollution/dust)
- Single-, dual- and triple output models
- 2 standard package versions:
  - Screw terminal block for chassis mount
  - Solder pins for direct PCB mount
  - Optional pin-connector on request
- DIN-rail mount adaptor (optional)
- Universal input 85-264 VAC, 47-440 Hz
- Protection class II
- IEC/EN/UL 60950-1 approval, CB-report
- Over-temperature protection
- Protection against short circuit and oveload
- 3-year product warranty

The TMP & TMPM series AC/DC Power Modules is a new range of fully encapsulated power supplies in an ultra-compact casing. They feature easy chassis mounting with screw terminal block connection or direct PCB mounting with solder pins. Full compliance with International safety standards for industrial control equipment qualifies the products for worldwide markets.
These power supplies offer a cost effective solution for many space critical applications in commercial and industrial electronic equipment and for polluted and dusty environment.

Single Output Models 4 to 10 Watt

	Order code PCB-mount with solder pins	Output power max.	Output	Efficiency typ.
	TMPM 04103	**4 W**	3.3 VDC / 1200 mA	70 %
	TMPM 04105		5.0 VDC / 800 mA	72 %
	TMPM 04109		9.0 VDC / 444 mA	75 %
	TMPM 04112		12 VDC / 333 mA	76 %
	TMPM 04115		15 VDC / 267 mA	76 %
	TMPM 04124		24 VDC / 167 mA	77 %
	TMP 07103	4.6 W	3.3 VDC / 1400 mA	70 %
	TMP 07105	**7 W**	5.0 VDC / 1400 mA	73 %
	TMP 07112		12 VDC / 583 mA	78 %
	TMP 07115		15 VDC / 466 mA	78 %
	TMP 07124		24 VDC / 291 mA	78 %
Small footprint	**TMPM 10103**	8.3 W	3.3 VDC / 2500 mA	70 %
Small footprint	**TMPM 10105**	**10 W**	5.0 VDC / 2000 mA	72 %
Small footprint	**TMPM 10112**		12 VDC / 833 mA	76 %
Small footprint	**TMPM 10115**		15 VDC / 667 mA	75 %
Small footprint	**TMPM 10124**		24 VDC / 417 mA	72 %
Low profile	**TMP 10103**	6.6 W	3.3 VDC / 2000 mA	70 %
Low profile	**TMP 10105**	**10 W**	5.0 VDC / 2000 mA	73 %
Low profile	**TMP 10112**		12 VDC / 833 mA	76 %
Low profile	**TMP 10115**		15 VDC / 666 mA	76 %
Low profile	**TMP 10124**		24 VDC / 416 mA	76 %

15 to 60 Watt and multi output models see next page ->

Single Output Models 15 to 60 Watt

Order code		Output power max.	Output	Efficiency
PCB-mount with solder pins	Chassis mount, screw terminal			typ.
TMP 15105	**TMP 15105C**		5 VDC / 3000 mA	75 %
TMP 15112	**TMP 15112C**		12 VDC / 1250 mA	79 %
TMP 15115	**TMP 15115C**	**15 W**	15 VDC / 1000 mA	79 %
TMP 15124	**TMP 15124C**		24 VDC / 625 mA	79 %
TMP 15148	**TMP 15148C**		48 VDC / 310 mA	79 %
TMP 30105	**TMP 30105C**		5 VDC / 6000 mA	78 %
TMP 30112	**TMP 30112C**		12 VDC / 2500 mA	80 %
TMP 30115	**TMP 30115C**	**30 W**	15 VDC / 2000 mA	80 %
TMP 30124	**TMP 30124C**		24 VDC / 1250 mA	80 %
TMP 30148	**TMP 30148C**		48 VDC / 625 mA	80 %
TMP 60105	**TMP 60105C**	51 W	5.1 VDC / 10'000 mA	79 %
TMP 60112	**TMP 60112C**		12 VDC / 5000 mA	82 %
TMP 60115	**TMP 60115C**		15 VDC / 4000 mA	83 %
TMP 60124	**TMP 60124C**	**60 W**	24 VDC / 2500 mA	84 %
TMP 60136	**TMP 60136C**		36 VDC / 1665 mA	84 %
TMP 60148	**TMP 60148C**		48 VDC / 1250 mA	84 %

Multi Output Models 4 to 30 Watt

Order code		Output	Output 1	Output 2	Output 3	Eff.
PCB-mount	Chassis mount	power				typ.
Models with common ground						
TMPM 04212		**4 W**	+12 VDC / 166 mA	–12 VDC / 166 mA		77 %
TMPM 04215			+15 VDC / 133 mA	–15 VDC / 133 mA		77 %
TMPM 04253			+5.0 VDC / 600 mA	+3.3 VDC / 150 mA		72 %
TMPM 04225			+12 VDC / 250 mA	+5.0 VDC / 120 mA		75 %
TMP 10212		**10 W**	+12 VDC / 380 mA	–12 VDC / 380 mA		77 %
TMP 10215			+15 VDC / 300 mA	–15 VDC / 300 mA		77 %
TMP 15212	**TMP 15212C**	**15 W**	+12 VDC / 650 mA	–12 VDC / 650 mA		79 %
TMP 15215	**TMP 15215C**		+15 VDC / 500 mA	–15 VDC / 500 mA		79 %
TMP 30212	**TMP 30212C**	**30 W**	+12 VDC / 1300 mA	–12 VDC / 1300 mA		80 %
TMP 30215	**TMP 30215C**		+15 VDC / 1000 mA	–15 VDC / 1000 mA		80 %
TMP 15252	**TMP 15252C**		5.0 VDC / 1500 mA	12 VDC / 625 mA		72 %
TMP 15512	**TMP 15512C**	**15 W**	5.0 VDC / 2000 mA	+12 VDC / 200 mA	–12 VDC / 200 mA	74 %
TMP 15515	**TMP 15515C**		5.0 VDC / 2000 mA	+15 VDC / 150 mA	–15 VDC / 150 mA	74 %
Models with output 1 isolated from output 2/3 (floating)						
TMP 30252	**TMP 30252C**	**30 W**	5.0 VDC / 3000 mA[2)]	12 VDC /1250 mA[2)]		76 %
TMP 30512	**TMP 30512C**		5.0 VDC / 3000 mA[2)]	+12 VDC / 600 mA[2)]	–12 VDC / 600 mA[2)]	76 %
TMP 30515	**TMP 30515C**		5.0 VDC / 3000 mA[2)]	+15 VDC / 500 mA[2)]	–15 VDC / 500 mA[2)]	76 %
TMP 30522	**TMP 30522C**		5.0 VDC / 3000 mA[2)]	+12 VDC / 1000 mA[2)]	–12 VDC / 250 mA[3)]	76 %
TMP 30316	**TMP 30316C**		3.3 VDC / 4000 mA[1)]	+5.0 VDC / 1500 mA[1)]	+12 VDC / 250 mA[3)]	71 %
TMP 30317	**TMP 30317C**		5.0 VDC / 4500 mA[1)]	+3.3 VDC / 1000 mA[2)]	+12 VDC / 250 mA[3)]	71 %

Peak current can exceed specified value by [1)] 133 % [2)] 150 % [3)] 200 % but total output power must not exceed 30 W.