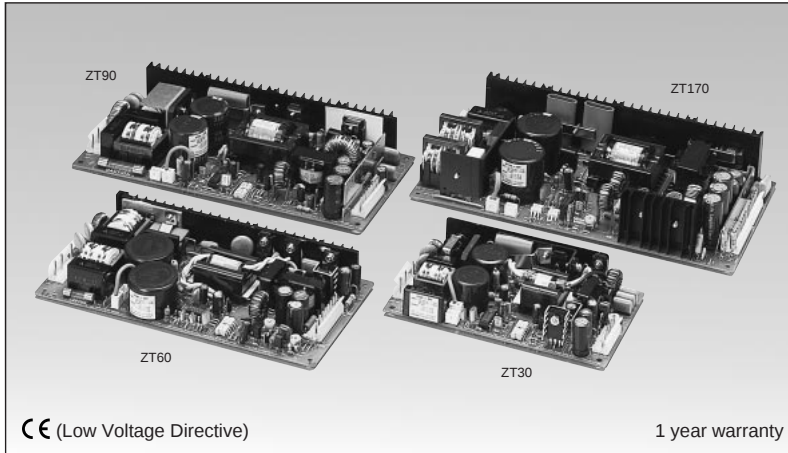




CE (Low Voltage Directive)

1 year warranty

Model name

ZT 30-522

Name of series Output power: 4 types in 30W ~ 170W

Output voltage code
522: 5V, +12V, -12V
5FF: 5V, +15V, -15V
525: 5V, +12V, -5V

Features

- CE marking (Low Voltage Directive)
- Triple output
12 models, 30W, 60W, 90W, 170W
- Wide input voltage range:
100/200VAC user selectable
- Isolation between CH1 (5V) and $\pm$ CH
- Compact, low profile and board type
- 1 year warranty

Specifications

1. Input voltage range	85 ~ 132VAC / 170 ~ 265VAC (47 ~ 63Hz), 230 ~ 330VDC user selectable
2. Output voltage range	CH1: +5V (5.0 ~ 5.25V), CH2: Fixed, CH3: Fixed
3. Cooling	Convection cooling
4. Operating ambient temperature (Standard mounting)	-10 ~ +60°C ZT30, 60, 90 Output derating -10 ~ +50°C: 100%, +60°C: 70% ZT170: Forced air cooling -10 ~ +50°C: 100%, +60°C: 70% (0.7m/S) ZT170: Convection cooling CH1 ... -10 ~ +25°C: 15A, +30°C: 13A, +40°C: 12A, +50°C: 10A, +60°C: 8A CH2, CH3 ... -10 ~ +50°C: 100%, +60°C: 70%
5. Withstand voltage	Input-output: 3.75kVAC, Input-chassis: 2.5kVAC one minute each
6. Safety standard	Approved by UL1950  , CSA950  and EN60950 
7. EMI	Conforms to VCCI-class B, FCC class B and VDE class B
8. Functions	Over voltage protection (CH1), Over current protection

Product lineup

Model name		CH	Nominal output voltage	Min. output current	Max. output current	Max. output power	Total max. output power	UL	CSA	EN
ZT30	ZT30-522	CH1	5V	0.3A	3.0A	15.0W	33.0W	○	○	○
		CH2	+12V	0A	1.2A (2.0A)	14.4W	33.0W	○	○	○
		CH3	−12V	0A	0.3A	3.6W	33.0W	○	○	○
	ZT30-5FF	CH1	5V	0.3A	3.0A	15.0W	34.5W	○	○	○
		CH2	+15V	0A	1.0A (2.0A)	15.0W	34.5W	○	○	○
		CH3	−15V	0A	0.3A	4.5W	34.5W	○	○	○
	ZT30-525	CH1	5V	0.3A	3.0A	15.0W	30.9W	○	○	○
		CH2	+12V	0A	1.2A (2.0A)	14.4W	30.9W	○	○	○
		CH3	−5V	0A	0.3A	1.5W	30.9W	○	○	○
ZT60	ZT60-522	CH1	5V	0.5A	5.0A	25.0W	61.0W	○	○	○
		CH2	+12V	0A	2.5A (3.5A)	30.0W	61.0W	○	○	○
		CH3	−12V	0A	0.5A	6.0W	61.0W	○	○	○
	ZT60-5FF	CH1	5V	0.5A	5.0A	25.0W	62.5W	○	○	○
		CH2	+15V	0A	2.0A (3.5A)	30.0W	62.5W	○	○	○
		CH3	−15V	0A	0.5A	7.5W	62.5W	○	○	○
	ZT60-525	CH1	5V	0.5A	5.0A	25.0W	57.5W	○	○	○
		CH2	+12V	0A	2.5A (3.5A)	30.0W	57.5W	○	○	○
		CH3	−5V	0A	0.5A	2.5W	57.5W	○	○	○

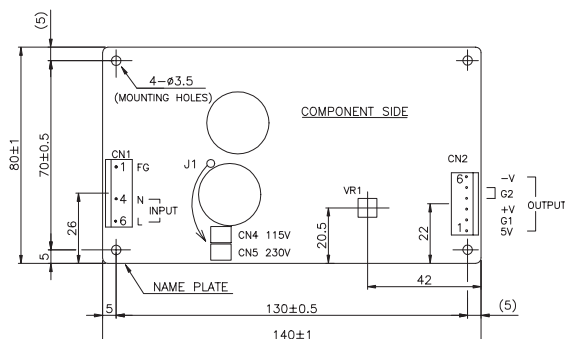
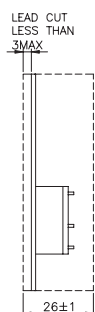
Model name		CH	Note 1							
			Nominal output voltage	Min. output current	Max. output current	Max. output power	Total max. output power	UL	CSA	EN
ZT90	ZT90-522	CH1	5V	1A	10.0A	50.0W	92.0W	○	○	○
		CH2	+12V	0A	3.0A (4A)	36.0W	92.0W	○	○	○
		CH3	−12V	0A	0.5A	6.0W	92.0W	○	○	○
	ZT90-5FF	CH1	5V	1A	10.0A	50.0W	92.0W	○	○	○
		CH2	+15V	0A	2.5A (4A)	37.5W	95.0W	○	○	○
		CH3	−15V	0A	0.5A	7.5W	95.0W	○	○	○
	ZT90-525	CH1	5V	1A	10.0A	50.0W	88.5W	○	○	○
		CH2	+12V	0A	3.0A (4A)	36.0W	88.5W	○	○	○
		CH3	−5V	0A	0.5A	2.5W	88.5W	○	○	○
ZT170	ZT170-522	CH1	5V	1A	20.0A	100.0W	172.0W	○	○	○
		CH2	+12V	0A	5.0A (6A)	60.0W	172.0W	○	○	○
		CH3	−12V	0A	1.0A	12.0W	172.0W	○	○	○
	ZT170-5FF	CH1	5V	1A	20.0A	100.0W	175.0W	○	○	○
		CH2	+15V	0A	4.0A (6A)	60.0W	175.0W	○	○	○
		CH3	−15V	0A	1.0A	15.0W	175.0W	○	○	○
	ZT170-525	CH1	5V	1A	20.0A	100.0W	165.0W	○	○	○
		CH2	+12V	0A	5.0A (6A)	60.0W	165.0W	○	○	○
		CH3	−5V	0A	1.0A	5.0W	165.0W	○	○	○

Note 1: Duration of peak current shown in (): 5 seconds max.

- Request customer specification for further details of specifications, outline, characteristics, etc.
- Read the instruction manual before usage.
- Contact us about delivery before ordering.

○: Safety standard approved

ZT30



Recommended Noise Filter

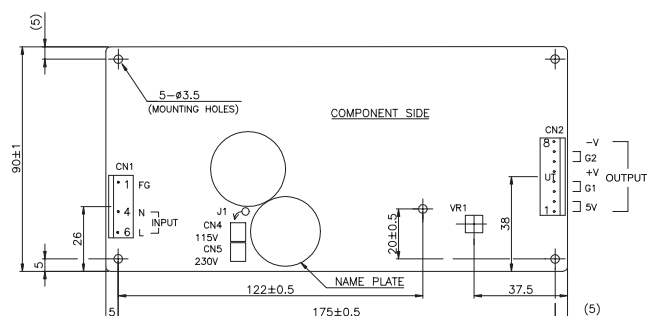
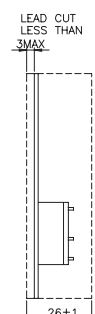
MAW-1202-22



GO!!
P134

(Unit: mm)

ZT60



Recommended Noise Filter

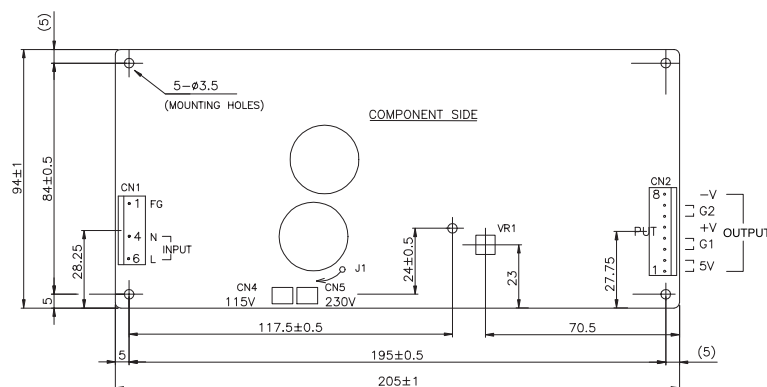
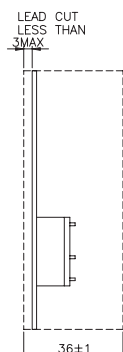
MAW-1203-22



GO!!
P134

(Unit: mm)

ZT90



Recommended Noise Filter

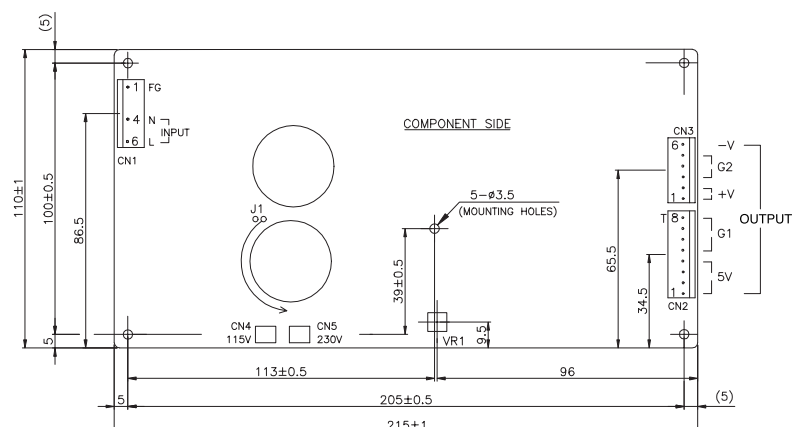
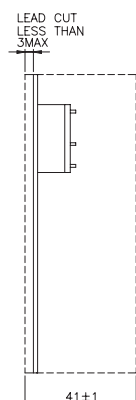
MB1206



GO!!
P137

(Unit: mm)

ZT170



Recommended Noise Filter

MB1206



GO!!
P137

(Unit: mm)