

High Power PCB Mountable

High Voltage Power Supplies

TE Series 0.8kV to 2kV 4W

1032-02Pb



FEATURES

- NRTL(UL1950), TÜV, CE certified
- 4W high power PCB mountable
- Low ripple, high stability, and well regulated output
- Low Noise due to 6-sided shielding
- External potentiometer or external control voltage programming
- Continuous short circuit protection

SUMMARY

TE Series is a compact, ultra low ripple and well regulated high voltage power supply suitable for various OEM or laboratory application.

Electrostatic shielding is provided through 6-sided shielding. All models are provided with arc and continuous short circuit protection for safe, reliable operation.

Output voltage (kVdc)	Output current (mA)*	Model		Ripple (mVp-p)
		Positive polar output	Negative polar output	
0 to 0.8	5	TE-0.8P	TE-0.8N	10
0 to 1	4.2	TE-1P	TE-1N	20
0 to 1.5	2.7	TE-1.5P	TE-1.5N	30
0 to 2	2	TE-2P	TE-2N	40

*Output voltage range for this output current is 50% to 100% of maximum output voltage.

*Output current must be derated linearly when operating at levels below 50% of the output voltage capability.



SPECIFICATIONS

Input voltage/current	+15Vdc ± 1Vdc, 450mA TYP
Output control	By external 5kΩ potentiometer or external control voltage(Vcon-in) 0 to 6 Vdc
Regulation	Line : ±0.02% of max voltage for Vin±1V Load : 0.02% of max voltage for full load change
Stability	0.01%/Hr 0.03%/8Hr
Temperature coefficient	0.007%/°C
Protection	Overload, arc and continuous output short circuit
Temperature range	Operating : -10°C to +60°C Storage : -25°C to +85°C
Weight	120g approx

Note : • Specifications are at the maximum rated output after ½Hr warm-up.
• Specifications are subject to change without notice.

DIMENSIONS mm

50W × 70L × 17H

OPTIONS

- L1** Remote ON/OFF GND = ON, OPEN = OFF
- L2** Voltage monitor 1/1000 output, accuracy 2%

*Model with greater ripple-stability is available.