

High Voltage Power Supplies

TL Series 0.8kV to 3kV 0.8W

1033-03P



FEATURES

- PCB mountable
- Low ripple, high stability, and well-regulated output
- Low Noise due to 6-sided metal shielding
- A wide range of input voltage(+11 to +16 Vdc)
- External potentiometer or external control voltage programming
- Arc and continuous short circuit protection

SUMMARY

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

Electromagnetic shielding is provided through 6-sided metal shielding.

All models provide arc and continuous short circuit protection for safe, reliable operation.

LINEUP

Output voltage (kVdc)	Output		Model		Ripple (mVp-p)
	Output current (mA)	Minimum load*(Ω)	Positive polar output	Negative polar output	
0 to 0.8	1	400k	TL-0.8P	TL-0.8N	2
0 to 1.1	0.7	800k	TL-1.1P	TL-1.1N	
0 to 1.5	0.5	1.5M	TL-1.5P	TL-1.5N	3
0 to 2	0.4	2.5M	TL-2P	TL-2N	7
0 to 3	0.25	6M	TL-3P	TL-3N	20

*If operated below low output voltage range(output current × minimum load), rated maximum current cannot be obtained. Please operate with over minimum load.

[NOTE] As a on board type module this module is designed with full safety, however connect pin ② to the ground for extra safety.

GENERAL SPECIFICATIONS

Input voltage/current	+11 to +16Vdc 150mA Typ
Output control	By external 5kΩ potentiometer or external control voltage(Vcon-in) 0 to 6 Vdc
Regulation	Line : ±0.01% of max voltage for Vin±1V Load : 0.01% of max voltage for full load change
Stability	0.01%/hr 0.03%/8hr
Temperature coefficient	0.005%/°C
Protection	Overload, arc and continuous output short circuit
Temperature range	Operating : -10°C to +50°C Storage : -25°C to +85°C
Weight	120g approx

[NOTE] • Specifications are at the maximum rated output after ½ hr warm-up.
• Specifications are subject to change without notice.

DIMENSIONS(mm)

40W × 60L × 19.5H