

High Voltage Power Supplies

TK Series 1kV to 2kV 4W

1097-03A-1



FEATURES

- 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

TK 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 1	4.2	TK-1P	TK-1N	20
0 to 1.2	3.3	TK-1.2P	TK-1.2N	24
0 to 1.5	2.7	TK-1.5P	TK-1.5N	30
0 to 2	2	TK-2P	TK-2N	40

*Insulation film for isolation is attached.

SPECIFICATIONS

Input voltage/current	+12Vdc \pm 1Vdc, 550mA TYP
Output control	By external 5k Ω potentiometer or external control voltage(Vcon-in) 0 to 5 Vdc
Regulation	Line : \pm 0.02% of max voltage for Vin \pm 1V Load : 0.02% of max voltage for full load change
Stability	0.01%/Hr 0.03%/8Hr
Temperature coefficient	0.007%/ $^{\circ}$ C
Protection	Overload, arc and continuous output short circuit
Temperature range	Operating : -10 $^{\circ}$ C to +50 $^{\circ}$ C Storage : -25 $^{\circ}$ C to +85 $^{\circ}$ C
Weight	120g approx

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

DIMENSIONS inch(mm)

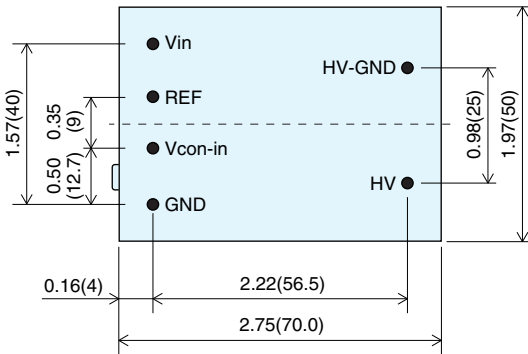
Up to 1.2kV type



1.5, 2kV type



BOTTOM VIEW



BOTTOM VIEW

