

Laboratory DC Power Supplies

Data Sheet



Applications

- ◇ Industrial Electronic Design, Laboratory
- ◇ Experimental Education

TLP A Series Features & Advanced functions

- ◇ High Stability
- ◇ Low Ripple & Noise
- ◇ Voltage Sensing Operation
- ◇ Over Voltage Protection
- ◇ Over Current Protection
- ◇ Over Temperature Protection
- ◇ Remote Control (available in TRP series only)
 - ◆ RS-232C, USB Connector
 - ◆ RS-485 replacement (Optional)
- ◇ Advanced Functions (available in TDP, TRP series)
 - ◆ Over Current Protection (OCP) Setting
 - ◆ Buzzer Off Setting
 - ◆ Short Protection Setting (1mΩ ~ 9.999Ω)
 - ◆ Voltage Slope Mode (0.01 ~ 9999s)
 - ◆ Current Slope Mode (0.01 ~ 9999s)
 - ◆ Hold Mode (1 ~ 9999s)
 - ◆ Slope-Hold Mode
- ◇ Small Size

TLP Series DC Power Supplies

TLP Series Specifications

TLP Series Electrical Characteristics

Model	TLP3003D	TLP3003T	TLP3003Q	TLP6002D	TLP6002T	TLP6002Q
Channels	2	2 + 1	2 + 2	2	2 + 1	2 + 2
Voltage Range [V], Variable	0 ~ 30			0 ~ 60		
◆ Accuracy	±(0.01% + 20mV)					
◆ Resolution	10mV					
Current Range [A], Variable	0 ~ 3			0 ~ 2		
◆ Accuracy	±(0.01% + 2mA)					
◆ Resolution	1mA					
Voltage, Fixed	N/A	5V	3.3V, 5V	N/A	5V	3.3V, 5V
Current, Fixed	N/A	2A		N/A	2A	
Line Regulation	≤ 0.05% ± 3mV					
Load Regulation	≤ 0.05% ± 3mV					
Ripple & Noise @ 20MHz	≤ 1mV _{RMS}	≤ 1mV _{RMS}	≤ 1mV _{RMS}	≤ 1mV _{RMS}	≤ 1mV _{RMS}	≤ 1mV _{RMS}
	≤ 10mV _{P-P}	≤ 10mV _{P-P}	≤ 10mV _{P-P}	≤ 10mV _{P-P}	≤ 10mV _{P-P}	≤ 10mV _{P-P}
Efficiency @ full load	60%	60%	60%	60%	60%	60%
Feature						
◆ Protection	OVP, OCP & OTP					
◆ V Sensing	Yes					
RS-232C	Standard					
AC Input	Single, 220V _{AC} /50~60Hz					

TLP Series Environmental and Physical Characteristics

Model	All Models on TLP Series
Operating Temperature	0 ~ +40°C
Storage Temperature	-20 ~ +60°C
Operating Humidity	50°C/60%RH, 30°C/85%RH
Dimensions (W x H x D)	330 x 100 x 320mm
Weight	≤ 11kg
Shipping Package Dimensions	
Shipping Package Weight	