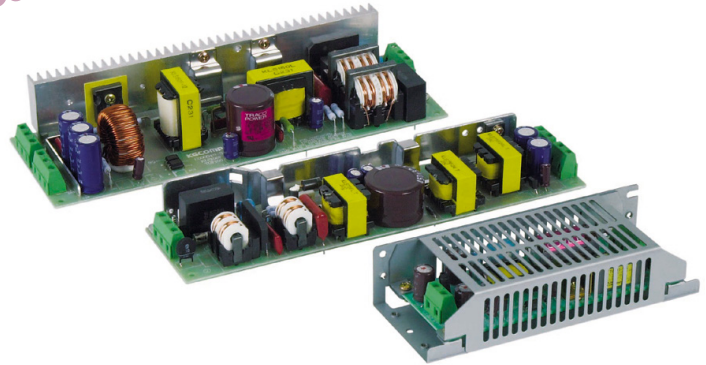


Obsolete



Features

- ◆ Compact open-frame power supplies
- ◆ Easy connection via screw terminal block or molex pin connector terminal
- ◆ Universal input 85–264 VAC
- ◆ Industrial grade components
- ◆ Low ripple and noise
- ◆ Overload protection
- ◆ EMI meets EN55022, Class B
- ◆ Optional with case
- ◆ Low profile
- ◆ Lead free design, RoHS compliant
- ◆ 3-year product warranty



The TOF Series power supplies are the choice for demanding applications. They feature compact dimensions and a low profile. They are easy to instal and connect via screw terminals or pin connector. Chassi and cover kit are available as an accessory. Compliance with international safety standards (CE/UL) and EMC requirements qualify this product for worldwide use. A very high reliability is guaranteed by the use of industrial quality grade components.

Single Output Models

	Ordercode Screw Terminal Block	Ordercode Molex Pin Connector	Output Power	Output Voltage	Output Current max.
Not recommended for new design in	TOF 10-05S	TOF 10-05SM	10 Watt	5 VDC	2.0 A
	TOF 10-12S	TOF 10-12SM		12 VDC	0.9 A
	TOF 10-15S	TOF 10-15SM		15 VDC	0.7 A
	TOF 10-24S	TOF 10-24SM		24 VDC	0.5 A
	TOF 15-05S	TOF 15-05SM	15 Watt	5 VDC	3.0 A
	TOF 15-12S	TOF 15-12SM		12 VDC	1.3 A
	TOF 15-15S	TOF 15-15SM		15 VDC	1.0 A
	TOF 15-24S	TOF 15-24SM		24 VDC	0.7 A
Not recommended for new design in	TOF 30-05S	TOF 30-05SM	30 Watt	5 VDC	6.0 A
	TOF 30-12S	TOF 30-12SM		12 VDC	2.5 A
	TOF 30-15S	TOF 30-15SM		15 VDC	2.0 A
	TOF 30-24S	TOF 30-24SM		24 VDC	1.3 A
Obsolete discontinued December 2013	TOF 50-05S		50 Watt	5 VDC	10.0 A
	TOF 50-12S	TOF 50-12SM		12 VDC	4.3 A
	TOF 50-15S	TOF 50-15SM		15 VDC	3.5 A
	TOF 50-24F	TOF 50-24FM		24 VDC	2.1 A (3.0 A)*
	TOF 75-05S		75 Watt	5 VDC	15.0 A
	TOF 75-12S	TOF 75-12SM		12 VDC	6.3 A
	TOF 75-15S	TOF 75-15SM		15 VDC	5.0 A
	TOF 75-24F	TOF 75-24FM		24 VDC	3.2 A (4.5 A)*
Obsolete discontinued	TOF 100-05S		100 Watt	5 VDC	20.0 A
	TOF 100-12S	TOF 100-12SM		12 VDC	8.5 A
	TOF 100-15S	TOF 100-15SM		15 VDC	6.7 A
	TOF 100-24F	TOF 100-24FM		24 VDC	4.2 A (6.3 A)*
	TOF 150-05S		150 Watt	5 VDC	30.0 A
	TOF 150-12S	TOF 150-12SM		12 VDC	12.5 A
	TOF 150-15S	TOF 150-15SM		15 VDC	10.0 A
	TOF 150-24F	TOF 150-24FM		24 VDC	6.3 A (9.1 A)*

* () = Peak current for max. 10 sec.

Triple Output Models: Not recommended for new design in!

Order code Screw Terminal Block	Output Power max.	*Output 1	*Output 2/3
TOF 15-0522T TOF 15-0533T	15 Watt	5 VDC/2A 5 VDC/2A	±12 VDC/0.5A ±15 VDC/0.45A
TOF 30-0522T TOF 30-0533T	30 Watt	5 VDC/4A 5 VDC/4A	+12 VDC/1.2A -12 VDC/0.5A +15 VDC/1.0A -15 VDC/0.5A

Obsolete
Discontinued Y 2011

* Total power should not exceed nominal power

Order Codes for Chassis/Cover Kit

Code	for Models	Code	for Models	Code	for Models
TOF 10-MC	TOF 10-xx	TOF 50-MC	TOF 50-xx	TOF 150-MC	TOF 150-xx
TOF 15-MC	TOF 15-xx	TOF 75-MC	TOF 75-xx	TOF 15T-MC	TOF 15-xxxT
TOF 30-MC	TOF 30-xx	TOF 100-MC	TOF 100-xx	TOF 30T-MC	TOF 30-xxxT

Molex Mating Connectors for TOFM Series (to purchase on local market)

TOF.....M units are equipped with Molex Pin Connector SPOX 5273-NA (3.96 mm pitch)

Connector mates with

1x Housing 09-50-1051, 3x Crimp Terminal 08-70-1028: For all Models Input

1x Housing 09-50-1031, 2x Crimp Terminal 08-70-1028: For up to 50 W models output

2x Housing 09-50-1031, 4x Crimp Terminal 08-70-1028: For 75 and 100W models output

2x Housing 09-50-1051, 6x Crimp Terminal 08-70-1028: For 150W models output

Input Specifications

Input voltage range	85 – 264 VAC 110 – 370 VDC (10...50 W single output models)
Input frequency	47 – 63 Hz
Recommended circuit breaker (characteristic C) or slow blow fuse	10...75 Watt models: 5.0 A 100 & 150 Watt models: 10.0 A

Output Specifications

Voltage adjustment range	10...50 Watt single output models: ±5 % 75...150 Watt single output models: ±10 % 15...30 Watt multi output models: ±15 % on output 1 ±2.5 % on output 2&3
Regulation	– Input variation 0.5 % max. – Load variation single output mod. (10–90%) 0.5 % max. – Load variation multi output mod. (10–90%) 2.0 % on output 1 1.0 % on output 2&3
Ripple and noise (20Mhz Bandwidth)	<1 % Vout +50 mVp-p
Overload protection by current limit at	>105 % Inom.
Short circuit protection	indefinite (automatic recovery)
Overvoltage protection	115 – 140 % Vout nom.
Capacitive load	10'000 µF max.