

SERIES: PSK-10G | DESCRIPTION: INTERNAL AC-DC POWER SUPPLY

FEATURES

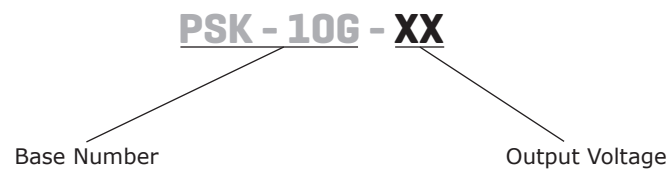
- universal input 90 ~ 264 Vac, 105 ~ 370 Vdc
- low no load power consumption (<0.1 W)
- certified to IEC/EN/UL 62368-1
- class II
- low leakage current
- over voltage, over current, over temperature and short-circuit protection
- no minimum load



MODEL	output voltage	output current	output power	ripple and noise ¹	efficiency
	(Vdc)	max (A)	max (W)	max (mVp-p)	typ (%)
PSK-10G-5	5	2.0	10.0	100	79
PSK-10G-12	12	0.85	10.2	180	82
PSK-10G-15	15	0.67	10.0	180	82
PSK-10G-24	24	0.46	11.0	200	83

Notes: 1. Ripple & noise are measured at 20 MHz BW with 0.47 μ F ceramic capacitor and a 47 μ F electrolytic capacitor.
2. Unless otherwise specified, all indicators in this manual are measured at Ta=25 °C, humidity<75% RH, nominal input voltage, and output rated load.

PART NUMBER KEY



INPUT

parameter	conditions/description	min	typ	max	units
voltage	ac input	80	100~240	264	Vac
	dc input	105		370	Vdc
frequency		47	50~60	63	Hz
current	at 115 Vac, full load			0.3	A
	at 230 Vac, full load			0.2	A
inrush current	at 115 Vac			25	A
	at 230 Vac			45	A
no load power consumption				0.1	W
fuse	VDE/UL/CCC, 2.5A/250V (slow blow)				

OUTPUT

parameter	conditions/description	min	typ	max	units
output voltage accuracy	at nominal input and output voltage				
	5 Vdc output model			±3	%
	all other output models			±2	%
line regulation			±0.3		%
load regulation			±0.5		%

PROTECTIONS

parameter	conditions/description	min	typ	max	units
over current protection	auto recovery	110			%
over voltage protection	zener diode clamp	110		150	%
over temperature protection	output shut-down, auto recovery after temperature drop				
short circuit protection	auto recovery				

SAFETY & COMPLIANCE

parameter	conditions/description	min	typ	max	units
isolation voltage	input to output, for 1 minute, 5 mA max			4,000	Vac
safety approvals	certified to 62368-1: IEC, EN, UL				
safety class	Class II				
RoHS	yes				

ENVIRONMENTAL

parameter	conditions/description	min	typ	max	units
operating temperature	see derating curve	-25		85	°C
storage temperature		-40		100	°C
humidity	non-condensing	0		95	%

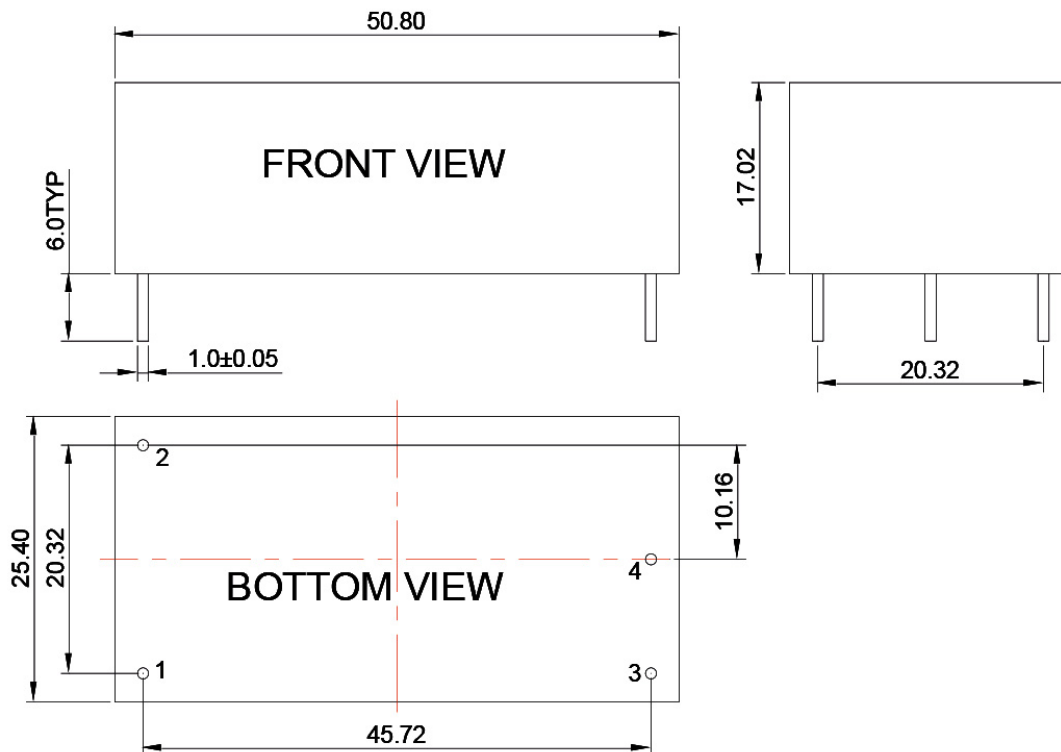
MECHANICAL

parameter	conditions/description	min	typ	max	units
dimensions	50.80 (L) x 25.40 (W) x 17.02 (H)				
weight			40		g
cooling	natural convection				

MECHANICAL DRAWING

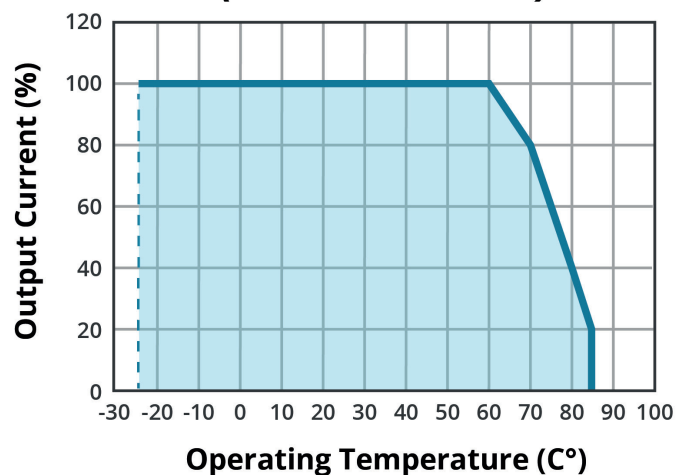
units: mm
tolerance: ± 0.5 mm

PIN CONNECTIONS	
PIN	Function
1	AC(N)
2	AC(L)
3	-Vo
4	+Vo

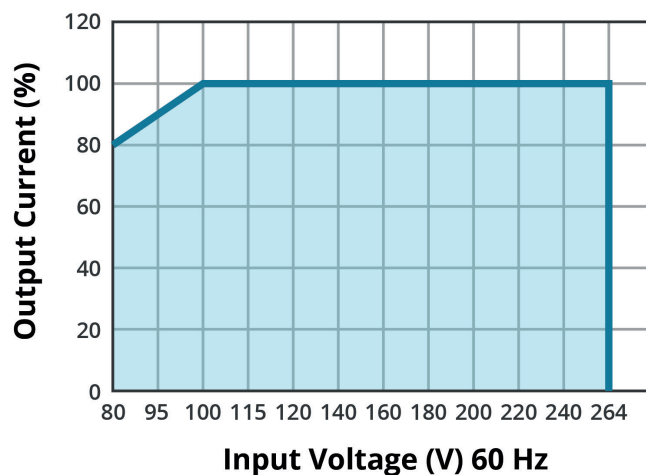


DERATING CURVE

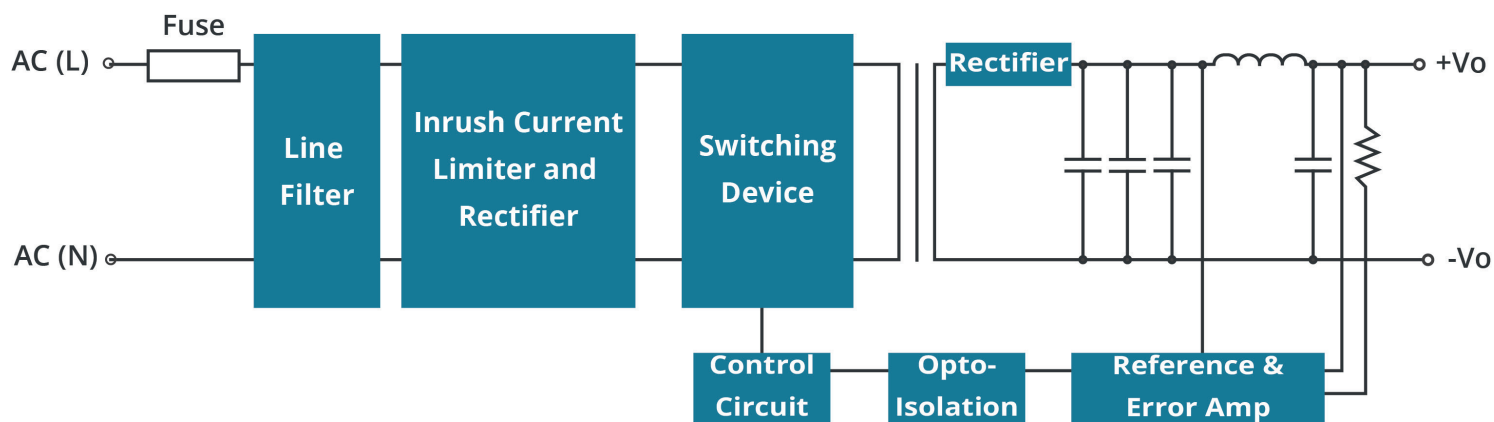
TEMPERATURE DERATING CURVE
(natural convection)



INPUT VOLTAGE DERATING CURVE



APPLICATION CIRCUIT



REVISION HISTORY

rev.	description	date
1.0	initial release	03/09/2026

The revision history provided is for informational purposes only and is believed to be accurate.



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