

APS

SMALL HIGH VOLTAGE PRINT MODULE FOR PCB MOUNTING UP TO 1 W

- ▶ Patented resonance converter technology
- ▶ Controlled by analog set voltage
- ▶ Monitor voltage
- ▶ Low ripple and noise, low EMI
- ▶ Internal reference voltage
- ▶ Customised versions on request



The APS is a very small DC/DC converter which can be mounted and soldered on PCBs. The output voltage is controllable with either an external potentiometer or an analog control voltage.

The patented resonance converter technology and moulded metal box shielding guarantee lowest electromagnetic interference and low ripple and noise of the output voltage.

SPECIFICATIONS

	APS 0.5 W	APS 1 W
Polarity	factory fixed, positive or negative	factory fixed, positive or negative
Ripple and noise [f >10 Hz]	typ. < 10 mV _{p,p}	typ. < 10 mV _{p,p}
Stability - [ΔV _{out} / ΔV _{in}]	< 1 • 10 ⁻³ • V _{nom}	< 1 • 10 ⁻³ • V _{nom}
Stability - [ΔV _{out} / ΔR _{load}]	< 2 • 10 ⁻³ • V _{nom}	< 2 • 10 ⁻³ • V _{nom}
Temperature coefficient	< 50 ppm / K	< 50 ppm / K
Supply voltage	4.5 - 5.5 V	11.5 - 15.5 V
Set / monitor voltage	0 - 2.5 V	0 - 5 V
Protection	overload and short circuit protected	overload and short circuit protected
HV connector	pin	pin
Case	metal box, moulded	metal box, moulded
Dimensions - L/W/H	40/16/12.2 mm	40/16/12.2 mm

CONFIGURATIONS APS 0.5 W

MODEL	V _{nom}	I _{nom}
APx 02 255 5	200 V	2.5 mA
APx 04 125 5	400 V	1.2 mA
APx 06 804 5	600 V	0.8 mA
APx 08 604 5	800 V	0.6 mA
APx 10 504 5	1 kV	0.5 mA

CONFIGURATIONS APS 1 W

MODEL	V _{nom}	I _{nom}
APx 02 505 12	200 V	5 mA
APx 04 255 12	400 V	2.5 mA
APx 06 165 12	600 V	1.6 mA
APx 08 125 12	800 V	1.2 mA
APx 10 105 12	1 kV	1 mA

OPTIONS & ORDER INFO

OPTION	ORDER INFO	EXAMPLE
POLARITY	positive: x = p, negative: x = n	APp 02 255 5