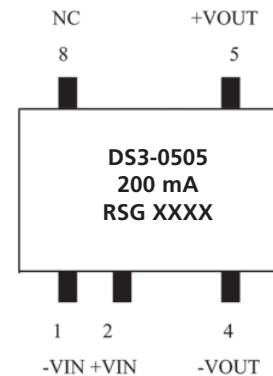


### DS3-XXXX-(H\_H3\_P) series Single output unregulated DC/DC converters 1W

#### ELECTRICAL SPECIFICATIONS

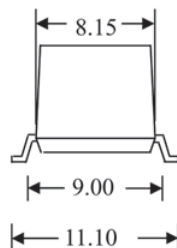
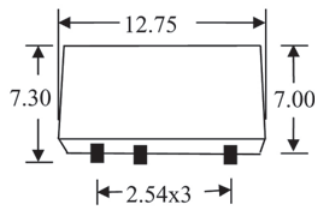
- Input voltage range ±10%
- Input filter capacitor capacitor
- Output voltage accuracy ±5%
- Line voltage regulation 1.2% typ. / 1% of Vin
- Load voltage regulation (10%~100%) -  
 5V output types -> 15% max.  
 9V, 12V and 15V output types -> 10% max.
- Ripple & Noise / 20 MHz BW 100 mV p-p max.
- Efficiency at full load 70% min.
- Isolation voltage 1000 VDC min.
- Short circuit protection 1.0 sec.
- Operating temperature range -40°C~85°C
- Storage temperature range -55°C~125°C
- Isolation resistance 10 GOhm min.
- Isolation capacity 45 pF typ.
- Package weight 1.5 g
- ReFlow temp. 230°C (10 sec.)

Meet CE EN-60950-1 certified, measured @ 25°C with the condition of Vin = nominal and full load



**Note: Add/H3 after P/N for isolation 3kVDC, H = 2kV, H3 = 3kV, P = Continuous short circuit protection**

#### PACKAGE STYLE AND PINNING (mm)



PIN	FUNCTION
1	-VIN
2	+VIN
4	-VOUT
5	+VOUT
8	NC

Unit: mm  
 Tol.: ±0.25 mm

#### SELECTION GUIDE

Part Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
DS3-XX3.3	3.3, 5, 9, 12, 15, 24	3.3	300	70
DS3-XX05	3.3, 5, 9, 12, 15, 24	5	200	70
DS3-XX09	3.3, 5, 9, 12, 15, 24	9	111	75
DS3-XX12	3.3, 5, 9, 12, 15, 24	12	84	78
DS3-XX15	3.3, 5, 9, 12, 15, 24	15	66	80
DS3-XX24	3.3, 5, 9, 12, 15, 24	24	42	80

