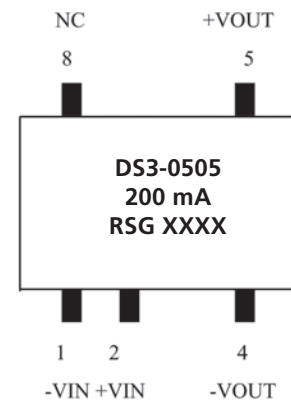


### DS3-XXXX-(H\_H3\_P) series Single output unregulated DC/DC converters 1W

[www.rsg-electronic.de](http://www.rsg-electronic.de)

#### ELECTRICAL SPECIFICATIONS

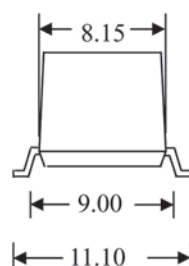
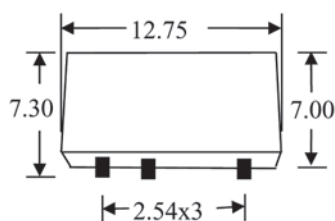
■ Input voltage range	±10%
■ Input filter	capacitor
■ Output voltage accuracy	±5%
■ Line voltage regulation	1.2% typ. / 1% of Vin
■ Load voltage regulation (10%~100%) - 5V output types ->	15% max.
9V, 12V and 15V output types ->	10% max.
■ Ripple & Noise / 20 MHz BW	100 mV p-p max.
■ Efficiency at full 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

