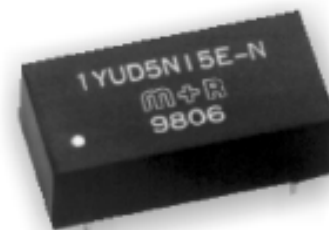


1 Watt**14 Pin DIL Package Y**

- o Ultra-Miniature Size
- o Unregulated Output
- o 1000 VDC Isolation Standard
- o 2000 VDC Isolation Option (add Suffix "H2")
3000 VDC Isolation Option (add Suffix "H3")
4000 VDC Isolation Option (add Suffix "H4")
- o Galvanic isolated separated dual Outputs Option (add Suffix "SO")
only for 1000V-Standard version available.



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	%EFF
1YUS5N5E-N	5 VDC	5 VDC	200 mA	70
1YUS5N9E-N		9 VDC	111 mA	75
1YUS5N12E-N		12 VDC	84 mA	78
1YUS5N15E-N		15 VDC	66 mA	80
1YUD5N5E-N		±5 VDC	±100 mA	70
1YUD5N9E-N		±9 VDC	±55mA	75
1YUD5N12E-N		±12 VDC	±42 mA	78
1YUD5N15E-N		±15 VDC	±33 mA	80
1YUS12N5E-N	12 VDC	5 VDC	200 mA	70
1YUS12N9E-N		9 VDC	111 mA	75
1YUS12N12E-N		12 VDC	84 mA	78
1YUS12N15E-N		15 VDC	66 mA	80
1YUD12N5E-N		±5 VDC	±100 mA	70
1YUD12N9E-N		±9 VDC	±55mA	75
1YUD12N12E-N		±12 VDC	±42 mA	78
1YUD12N15E-N		±15 VDC	±33 mA	80

SPECIFICATIONS

All Specifications Typical At Nominal Line, Full Load, and 25°C Unless Otherwise Noted

MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	%EFF
1YUS15N5E-N	15 VDC	5 VDC	200 mA	70
1YUS15N9E-N		9 VDC	111 mA	75
1YUS15N12E-N		12 VDC	84 mA	78
1YUS15N15E-N		15 VDC	66 mA	80
1YUD15N5E-N		±5 VDC	±100 mA	70
1YUD15N9E-N		±9 VDC	±55mA	75
1YUD15N12E-N		±12 VDC	±42 mA	78
1YUD15N15E-N		±15 VDC	±33 mA	80
1YUS24N5E-N	24 VDC	5 VDC	200 mA	70
1YUS24N9E-N		9 VDC	111 mA	75
1YUS24N12E-N		12 VDC	84 mA	78
1YUS24N15E-N		15 VDC	66 mA	80
1YUD24N5E-N		±5 VDC	±100 mA	70
1YUD24N9E-N		±9 VDC	±55mA	75
1YUD24N12E-N		±12 VDC	±42 mA	78
1YUD24N15E-N		±15 VDC	±33 mA	80

SPECIFICATIONS

All Specifications Typical At Nominal Line, Full Load, and 25°C Unless Otherwise Noted

INPUT SPECIFICATIONS

Input Voltage Range	±10%
Input Filter	Capacitor Type

OUTPUT SPECIFICATIONS

Voltage Accuracy	±5%
Voltage Balance, Dual Output	±2%
Temperature Coefficient	0.03% per °C
Ripple and Noise, 20MHz BW	Single - Standard + "H3" 100 mV p-p max. Dual - Standard + "H3" 75 mV p-p max. Suffix "H4", "SO" 100 mV p-p max.
Short Circuit Protection	1 sec.
Line Regulation per 1% of Vin	1.2%
Load Regulation (10% to 100%)	5V ±15% max. 9V, 12V, 15V ±10% max.

GENERAL SPECIFICATION

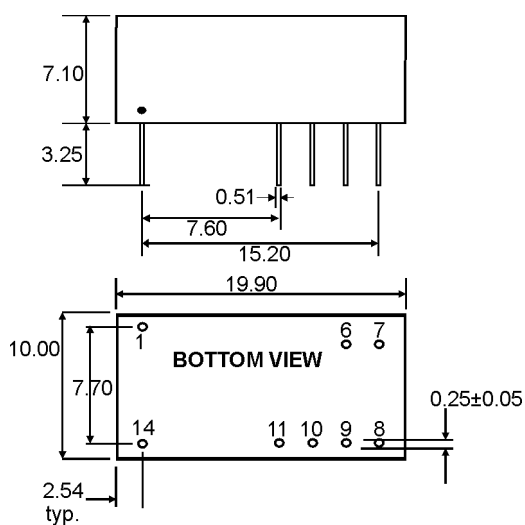
Efficiency	see table
Isolation Voltage	1000 VDC min.
Suffix "H2"	2000 VDC min.
Suffix "H3"	3000 VDC min.
Suffix "H4"	4000 VDC min.
Isolation Capacitance	75 pF
Suffix "H3"	60 pF
Suffix "H4"	70 pF
Isolation Resistance	10 Gohms
Suffix "H3" + "H4"	15 Gohms
Switching Frequency	20 kHz min.
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-55°C to +125°C
Weight	2.6 grams
Suffix "H3"	2.5 grams
Suffix "H4" - Single	2.8 grams
Suffix "H4" - Dual	2.9 grams
Case Material	Non-Conductive Black Plastic

SPECIFICATIONS

All Specifications Typical At Nominal Line, Full Load, and 25°C Unless Otherwise Noted

MECHANICAL SPECIFICATIONS

CASE "Y"

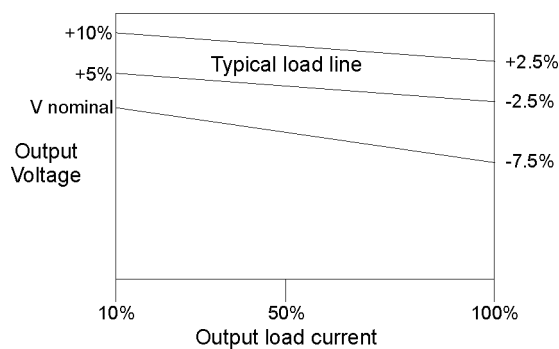
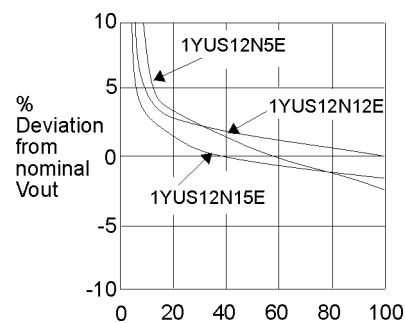
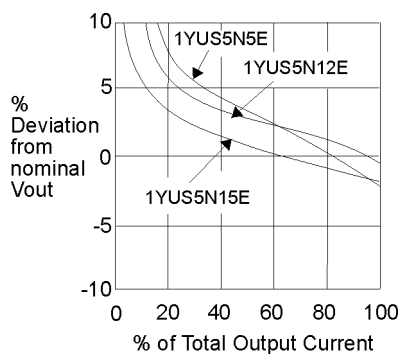


All Dimensions in mm.
Tolerances: ± 0.25 mm

PIN CONNECTIONS

	1000/2000VDC Single	1000/2000VDC Dual	3KVDC/4KVDC	Option "SO"
1	-INPUT	-INPUT	-INPUT	-INPUT
7	NC	NC	NC	NC
8	-OUTPUT	COMMON	+OUTPUT	-OUTPUT2
9	+OUTPUT	+OUTPUT	COMMON*	+OUTPUT2
10	NO PIN	NO PIN	-OUTPUT	-OUTPUT1
11	NC	-OUTPUT	NO PIN	+OUTPUT1
14	+INPUT	+INPUT	+INPUT	+INPUT

* NO PIN at Single Output
NC = NOT CONNECTED

**NOTICE:**

The information in this document has been carefully checked. However, no responsibility is assumed for inaccuracies! Specifications can be changed without notice. The latest and most complete information can be found on our website.