

0.25 Watt 4 Pin SIL Package K



- o Ultra-Miniature Size
- o Unregulated Output
- o 1000 VDC I/O-Isolation
- o 2000 VDC I/O-Isolation add Suffix "H2" - only for Package "L"
- o Only Single Output
- o 8 Pin DIL Package "L" On Request



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	%EFF
0.2KUS1.8N1.8E	1.8 VDC	1.8 VDC	139 mA	68
0.2KUS1.8N3.3E		3.3 VDC	76 mA	68
0.2KUS1.8N5E		5 VDC	50 mA	70
0.2KUS1.8N9E		9 VDC	28 mA	72
0.2KUS1.8N12E		12 VDC	21 mA	72
0.2KUS1.8N15E		15 VDC	17 mA	72
0.2KUS1.8N24E		24 VDC	10.4 mA	70
0.2KUS3.3N1.8E	3.3 VDC	1.8 VDC	139 mA	68
0.2KUS3.3N3.3E		3.3 VDC	76 mA	68
0.2KUS3.3N5E		5 VDC	50 mA	70
0.2KUS3.3N9E		9 VDC	28 mA	72
0.2KUS3.3N12E		12 VDC	21 mA	72
0.2KUS3.3N15E		15 VDC	17 mA	72
0.2KUS3.3N24E		24 VDC	10.4 mA	70
0.2KUS5N1.8E	5 VDC	1.8 VDC	139 mA	68
0.2KUS5N3.3E		3.3 VDC	76 mA	68
0.2KUS5N5E		5 VDC	50 mA	70
0.2KUS5N9E		9 VDC	28 mA	72
0.2KUS5N12E		12 VDC	21 mA	72
0.2KUS5N15E		15 VDC	17 mA	72
0.2KUS5N24E		24 VDC	10.4 mA	70

SPECIFICATIONS

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

MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	%EFF
0.2KUS9N1.8E	9 VDC	1.8 VDC	139 mA	68
0.2KUS9N3.3E		3.3 VDC	76 mA	68
0.2KUS9N5E		5 VDC	50 mA	70
0.2KUS9N9E		9 VDC	28 mA	72
0.2KUS9N12E		12 VDC	21 mA	72
0.2KUS9N15E		15 VDC	17 mA	72
0.2KUS9N24E		24 VDC	10.4 mA	70
0.2KUS12N1.8E	12 VDC	1.8 VDC	139 mA	68
0.2KUS12N3.3E		3.3 VDC	76 mA	68
0.2KUS12N5E		5 VDC	50 mA	70
0.2KUS12N9E		9 VDC	28 mA	72
0.2KUS12N12E		12 VDC	21 mA	72
0.2KUS12N15E		15 VDC	17 mA	72
0.2KUS12N24E		24 VDC	10.4 mA	70
0.2KUS15N1.8E	15 VDC	1.8 VDC	139 mA	68
0.2KUS15N3.3E		3.3 VDC	76 mA	68
0.2KUS15N5E		5 VDC	50 mA	70
0.2KUS15N9E		9 VDC	28 mA	72
0.2KUS15N12E		12 VDC	21 mA	72
0.2KUS15N15E		15 VDC	17 mA	72
0.2KUS15N24E		24 VDC	10.4 mA	70
0.2KUS24N1.8E	24V DC	1.8 VDC	139 mA	68
0.2KUS24N3.3E		3.3 VDC	76 mA	68
0.2KUS24N5E		5 VDC	50 mA	70
0.2KUS24N9E		9 VDC	28 mA	72
0.2KUS24N12E		12 VDC	21 mA	72
0.2KUS24N15E		15 VDC	17 mA	72
0.2KUS24N24E		24 VDC	10.4 mA	70

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

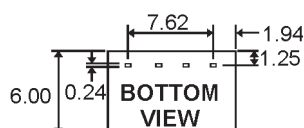
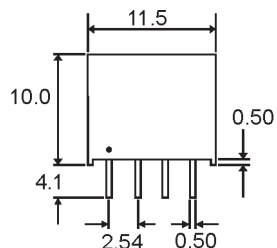
Voltage Accuracy	±5%
Ripple and Noise, 20MHz BW	50 mV p-p max.
Short Circuit Protection	1 sec.
Line Regulation, per 1% of Vin	1.2%
Load Regulation	20% to 100% 1.8 V 20% max.
	10% to 100% 3.3 V, 5 V 15% max.
	10% to 100% 9 V, 12 V, 15 V, 24 V 10% max.

GENERAL SPECIFICATION

Efficiency	see table
Isolation Voltage Suffix "H" only Case "L"	1000 VDC min. 2000 VDC min.
Isolation Resistance	10 Gohms
Isolation Capacity	80 pF typ.
Switching Frequency	20kHz min.
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-55°C to +125°C
Derating	see diagram
Weight	Case "K" 1.4 g Case "L" 1.8 g
Case Material	Non-Conductive Black Plastic
MTBF (MIL-HDBK-217F)	at 25°C 1327000 hrs at 85°C 302000 hrs

SPECIFICATIONS

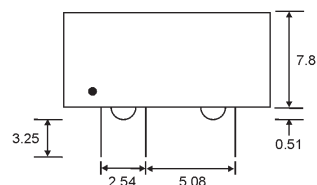
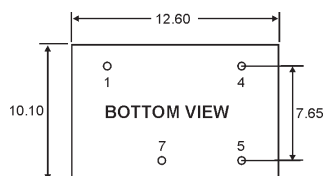
All Specifications Typical At Nominal Line, Full Load, and 25°C Unless Otherwise Noted

MECHANICAL SPECIFICATIONS**Case "K"**

All Dimensions in mm.
Tolerances: ± 0.25 mm

PIN CONNECTIONS

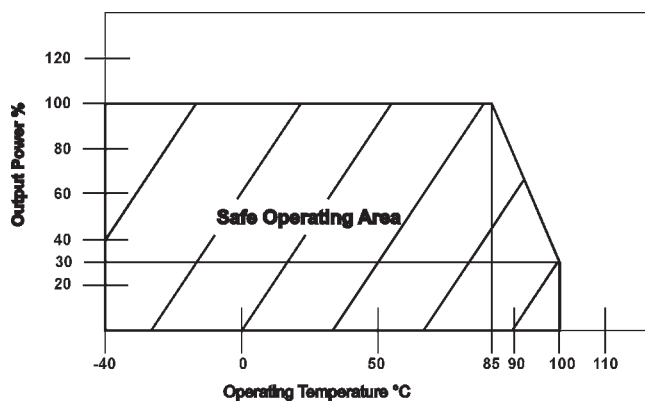
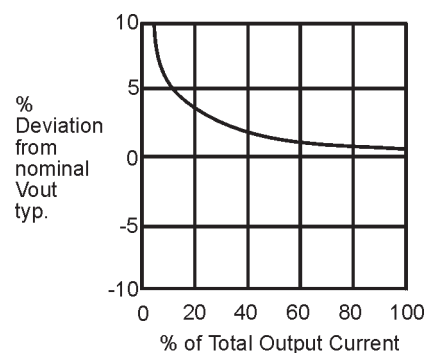
1	-INPUT
2	+INPUT
3	-OUTPUT
4	+OUTPUT

Case "L"

All Dimensions in mm.
Tolerances: ± 0.25 mm

PIN CONNECTIONS

1	-INPUT
4	+INPUT
5	+OUTPUT
7	-OUTPUT

DIAGRAMS**Derating Diagram****Load Regulation****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.