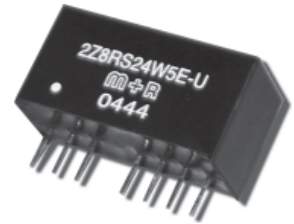


2 Watt

8 Pin SIL Package Z8 Suffix "U"



- o Ultra-Miniature Size
- o Wide Input Range
- o Regulated Single Output
- o 1000VDC I/O-Isolation
- o Efficiency up to 85%
- o With External Control ON/OFF Function
- o No External Capacitor needed



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	%EFF
2Z8RS5W3.3E-U	4.5-9 VDC	3.3 VDC	500 mA	65
2Z8RS5W5E-U		5 VDC	400 mA	72
2Z8RS5W9E-U		9 VDC	222 mA	75
2Z8RS5W12E-U		12 VDC	167 mA	77
2Z8RS5W15E-U		15 VDC	133 mA	79
2Z8RS12W3.3E-U	9-18 VDC	3.3 VDC	500 mA	73
2Z8RS12W5E-U		5 VDC	400 mA	77
2Z8RS12W9E-U		9 VDC	222 mA	79
2Z8RS12W12E-U		12 VDC	167 mA	81
2Z8RS12W15E-U		15 VDC	133 mA	82
2Z8RS24W3.3E-U	18-36 VDC	3.3 VDC	500 mA	75
2Z8RS24W5E-U		5 VDC	400 mA	79
2Z8RS24W9E-U		9 VDC	222 mA	81
2Z8RS24W12E-U		12 VDC	167 mA	83
2Z8RS24W15E-U		15 VDC	133 mA	85
2Z8RS48W3.3E-U	36-72 VDC	3.3 VDC	500 mA	75
2Z8RS48W5E-U		5 VDC	400 mA	79
2Z8RS48W9E-U		9 VDC	222 mA	81
2Z8RS48W12E-U		12 VDC	167 mA	83
2Z8RS48W15E-U		15 VDC	133 mA	84

SPECIFICATIONS

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

INPUT SPECIFICATIONS

Input Voltage Range	2:1
Input Filter	Capacitance

OUTPUT SPECIFICATIONS

Voltage Accuracy	±1% typ.	
Ripple and Noise, 20MHz BW	3.3V , 5V 9V, 12V, 15V	60 mV p-p max. 35 mV p-p max.
Short Circuit Protection	continuous	
Line Regulation	±0.2% max.	
Load Regulation (10%-100%)	±0.5% max.	

GENERAL SPECIFICATION

Efficiency	up to 85%
Isolation Voltage	1000 VDC min.
Isolation Capacity	40 pF
Switching Frequency ¹⁾	85 - 550 KHz
Isolation Resistance	1000 MOhms
Humidity	95%
Operating Temperature Range	-40°C to +80°C
Storage Temperature Range	-50°C to +125°C
MTBF (MIL-HDBK-217F)	10 ⁶ h
Case Material	Non Conductive Black Plastic
Potting Material	Epoxy (UL94V-0)
Weight	4.6 grams

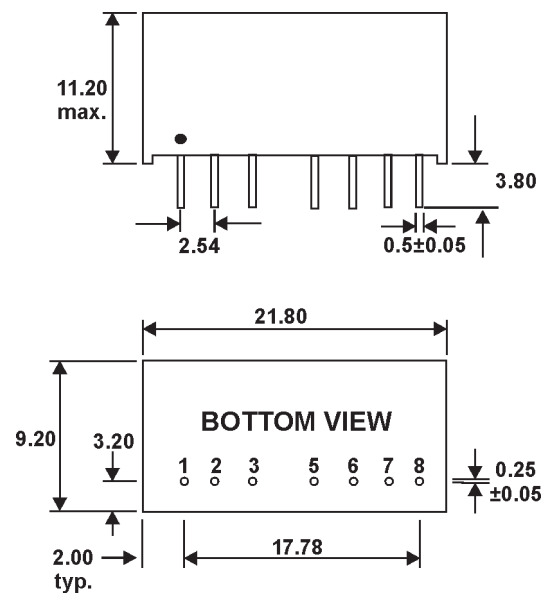
¹⁾ 100% ~ 10% : 85 KHz ~ 550 KHz depending on Load (Pulse Frequency Modulation, PFM)

SPECIFICATIONS

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

MECHANICAL SPECIFICATIONS

Case "Z8-U"



All Dimensions in mm.
Tolerances: ±0.25 mm

PIN CONNECTIONS	
1	-INPUT
2	+INPUT
3	REMOTE CTRL*
5	NO FUNCTION
6	+OUTPUT
7	-OUTPUT
8	NO FUNCTION

*PIN 3 External ON/OFF Control provides an ON/OFF Function
The Converter is

"ON" when PIN 3 is open or high impedance

"OFF" when PIN 3 is applied 3 - 6 mA input current via 1KOhm resistance

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.