



mEZ Product Options:

1. Ready-to-Use products
 2. Do-It-Yourself.
- Manufacture assistance is provided

FEATURES

- 4.5V to 24V Wide Operating Input
- 1A Load Current
- Hiccup Short-Circuit Protection
- Over-/Under-Voltage Protection
- Over-Current Protection
- Over-Temperature Protection
- Open Design Files and BOM

ORDERING INFORMATION

Part Number	Input Voltage (V)	Output Voltage (V)	Output Current (A)
MEZD71201A-X	A - F: 4.5 - 24 G: 6.5 - 24	1, 1.2, 1.5, 1.8, 2.5, 3.3, 5	1
Output Voltage Options			
A = 1.0V	B = 1.2V	C = 1.5V	D = 1.8V
E = 2.5V	F = 3.3V	G = 5.0V	

mEZD712xx FAMILY PRODUCTS

Part Number	Input Voltage (V)	Output Voltage (V)	Output Current (A)
mEZD71201A-X	4.5 - 24	1, 1.2, 1.5, 1.8, 2.5, 3.3, 5	1
mEZD71202A-X	4.5 - 24	1, 1.2, 1.5, 1.8, 2.5, 3.3, 5	2
mEZD71203A-X	4.5 - 16	1, 1.2, 1.5, 1.8, 2.5, 3.3	3
mEZD71210A-A	4.5 - 17	1	10

ELECTRICAL CHARACTERISTICS

Input Voltage Range	V_{IN_MIN} higher than V_{OUT} by 1V	4.5 or 6.5 to 24V
Output Voltage Set Accuracy		$\pm 2.5\%$ (Typ.)
Output Voltage Ripple	$V_{IN} = 12V$, $V_{OUT} = 3.3V$, Full Load	28mV
Line Regulation	V_{IN} from MIN to MAX, $V_{OUT} = 3.3V$	$\pm 1\%$ (Typ.)
Load Regulation	I_{OUT} from MIN to MAX, $V_{OUT} = 3.3V$	$\pm 1\%$ (Typ.)
Switching Frequency	Typical Switching Frequency	400kHz
Short-Circuit Protection	Short Output to Ground	Hiccup Mode
Operating Temperature Range		-40 to 85°C
Over-Temperature Protection	OTP	150°C
Rise Time	V_{OUT} from 0% to 90%	0.75ms (Typ.)
Calculated MTBF	MIL-HDBK-217F	4185×10^3 hrs

NOTE: All electrical characteristics are tested under 25°C ambient temperature, $V_{IN} = 12V$ unless otherwise noted.



Typical Application Circuit

Efficiency vs. Load Current
 $V_{IN} = 12V$, $V_{OUT} = 1V - 5V$



