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Datasheet

Item no. 1566414, 1564991

V1_04092018_01_en

Step-Down-Converter W78 series

1 Amp, WIDE INPUT RANGE, STEP-DOWN CONVERTER

Specifications refer to the standard application circuit at Ta: 25°C

Type: W 78 - xxx	3V3	Item No:	1566414	5V0	Item No:	1564991				
Parameter:	Min.	Тур.	Max.	Min.	Тур.	Max.				Unit
Input Voltage Range	5.5		34.0	7.0		34.0				V
Output Voltage	3.249		3.399	5.007		5.266				V
Line Voltage Regulation (Uin = min. to max. at 1A)		0.09	0.2		0.05	0.1				%
Load Regulation (0 to 1000 mA at Uin = 25V)		0.12	0.2		0.12	0.2				%
Transient Recovery Time (100% <-> 50% load)		150			150					µsec
Ripple & Noise (1000 mA)	7	15	20	7	18	27				mVp-
Internal Power Dissipation (Uin = 34V at max. load)		835			833					mŴ
Quiescent Current	3.2		5.7	3.3		6.6				mA
								 	<u> </u>	
All Types:										
Output Oursent	0		1000						+	
Output Current	-	1500	1800						+	mA
Output Current Limit	1200								+	mA
Current Limit Hiccup Time	13	16	20						+	ms
Temperature Coefficient	- 100	0.0115	0.012						+	%/°C
Switching Frequency	400	500	600						+	kHz
Undervoltage Lockout	_	5.3	5.5						+	V
Undervoltage Hysteresis		330							+	mV
Thermal Shutdown (internal junction temperature)	135	162								°C
Thermal Shutdown Hysteresis	_	14								°C
Operating Temperature Range	-40		+85							°C
Operating Junction Temperature Range	-40		+125							°C
Storage Temperature Range	-40		+125							°C
Rel. Air Humidity (non-condensing)			85							%
	_									
Features:	_									
	_									
No Min. Load Required	_									
Internal Soft-Start (8 ms)	_									

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Short-Circuit Robust No Output Capacitor Required

Pin-out compatible with 78XX Linear-regulator's



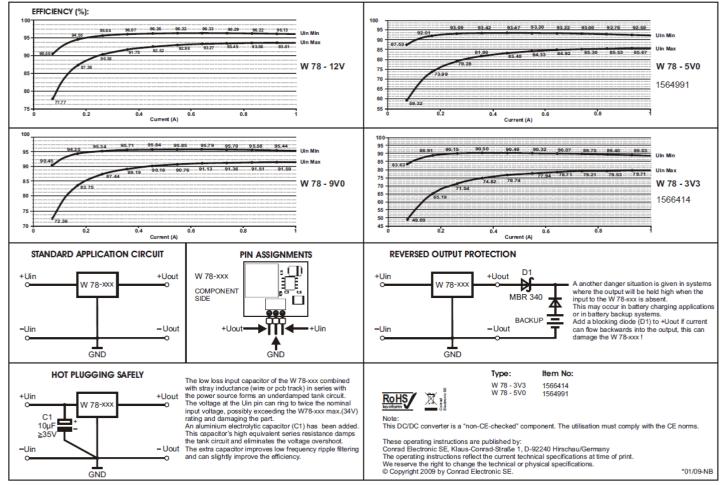
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