Features

- Low cost 1W converter
- 1:1 input voltage range
- SIP7 package
- Unregulated Converters
- Efficiency up to 76%
- -40°C to +85°C operating temperature range
- EN/IEC/UL/CSA 60950-1 certified

Description

The REE-0505S is a low cost 1W DC/DC converters in a standard SIP7 footprint. This makes it suitable for price sensitive industrial, test and measurement and high volume applications. The REE converter is pin-compatible with the RE converter series, but offers only the most popular 0505 voltage combination, offering a simple way to cost-down an existing application. The REE is certified to IEC/EN/UL/CSA/ EAC and comes with a 3 year warranty.

Selection Guide	e			
Part Number	Input Voltage [VDC]	Output Voltage [VDC]	Output Current [mA]	Efficiency ⁽¹⁾ max. [%]
REE-0505S	5	5	200	76

Notes:

Note1: Efficiency is tested at nominal input and full load at +25°C ambient

Model Numbering





REE





UL60950-1 certified CAN/CSA-C22.2 No 60950-1 certified IEC/EN60950-1 certified EN55032 compliant

Specifications (measured @ Ta= 25°C, nominal input voltage, full load and after warm-up)

BASIC CHARACTERISTICS				
Condition	Min.	Тур.	Max.	
		±10%		
100µs	-0.65VDC		9VDC	
full load		250mA		
nom. Vin= 5VDC		25mA	30mA	
	0%			
	50kHz	82kHz	105kHz	
20MHz BW		55mVp-p	100mVp-p	
20MHz BW		20mAp-p		
	100μs full load nom. Vin= 5VDC 20MHz BW	100μs -0.65VDC full load -0.65VDC nom. Vin= 5VDC 0% 20MHz BW -0.65VDC	Image: second	

Note2: Operation below 10% load won't harm the converter, but specifications may not be met

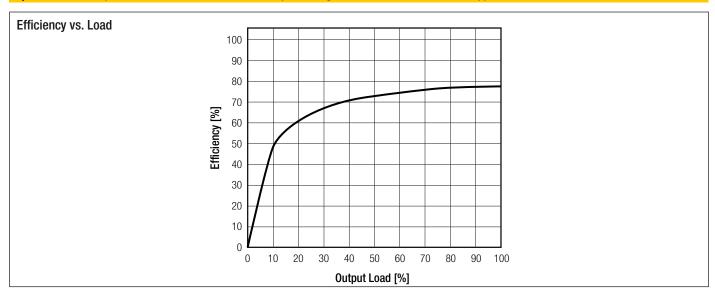
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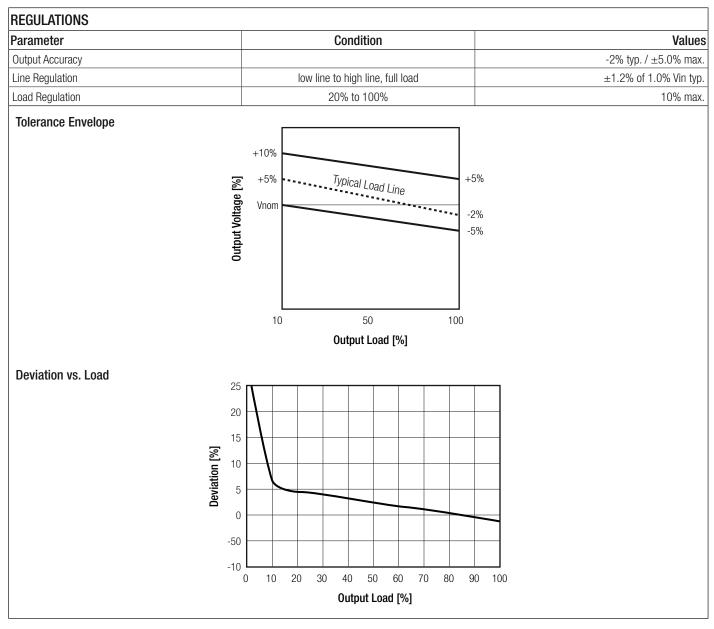
www.recom-power.com

RECOM DC/DC Converter

REE Series

Specifications (measured @ Ta= 25°C, nominal input voltage, full load and after warm-up)





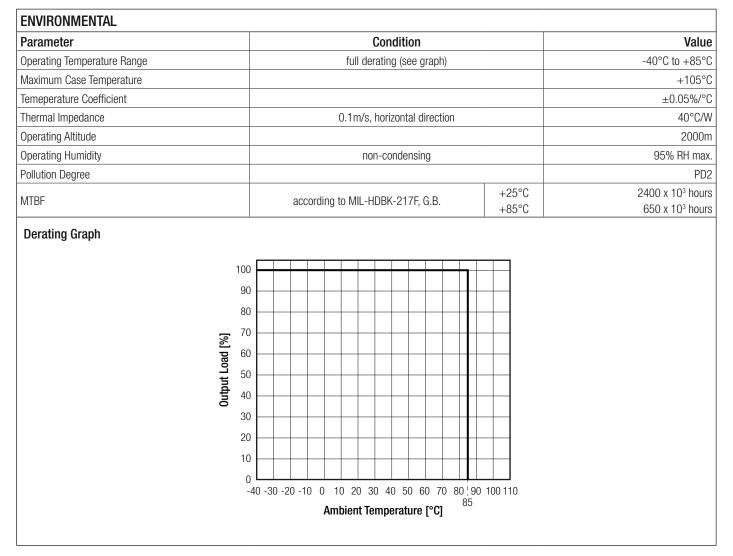
RECOM DC/DC Converter

RE	Ε
Seri	es

Specifications (measured @ Ta= 25°C, nominal input voltage, full load and after warm-up)

PROTECTIONS			
Parameter	Co	ndition	Value
Short Circuit Protection (SCP)	belo	w 100mΩ	1 second
Isolation Voltage ⁽³⁾	I/P to O/P	tested for 1 second rated for 1 minute	1 kVDC 500VAC/60Hz
Isolation Resistance			1GΩ min.
Isolation Capacitance			75pF max.
Insulation Grade			basic
Notes:		I	

Note3: For repeat Hi-Pot testing, reduce the time and/or the test voltage Note4: Refer to local wiring regulations if input over-current protection is also required. Recommended fuse: T1A slow blow type

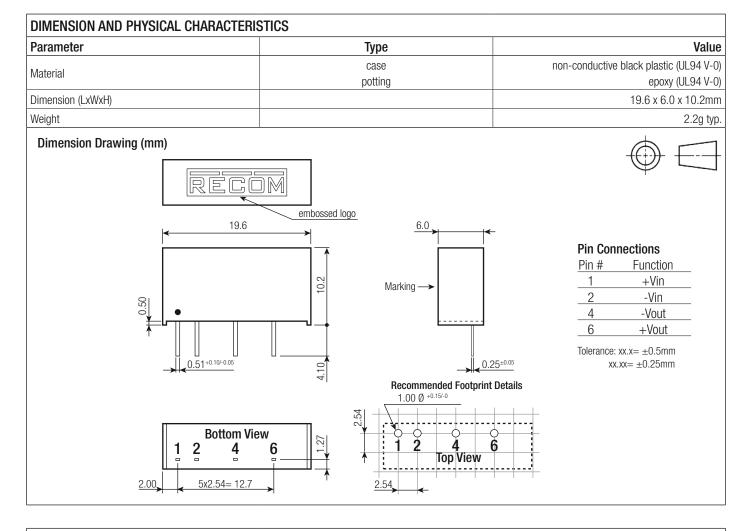


RECOM DC/DC Converter

REE Series

Specifications (measured @ Ta= 25°C, nominal input voltage, full load and after warm-up)

SAFETY AND CERTIFICATIONS		
Certificate Type (Safety)	Report/File Number	Standard
Information Technology Equipment, General Requirements for Safety	E358085-A4	UL60950-1, 2nd Edition, 2007 CSA C22.2 No. 60950-1-07, 2nd Edition, 2007
Information Technology Equipment, General Requirements for Safety	1602031	IEC60950-1:2005, 2nd Edition + A2:2013 EN60950-1:2006 + A2:2013
EAC	RU-AT.49.09571	TP TC 004/2011
RoHs 2+		RoHS-2011/65/EU + AM-2015/863



PACKAGING INFORMATION		
Parameter	Туре	Value
Packaging Dimension (LxWxH)	tube	520.0 x 16.0 x 9.0mm
Packaging Quantity		25pcs
Storage Temperature Range		-55°C to +125°C
Storage Humidity		5% - 95%, RH

The product information and specifications may be subject to changes even without prior written notice. The product has been designed for various applications; its suitability lies in the responsibility of each customer. The products are not authorized for use in safety-critical applications without RECOM's explicit written consent. A safety-critical application is an application where a failure may reasonably be expected to endanger or cause loss of life, inflict bodily harm or damage property. The applicant shall indemnify and hold harmless RECOM, its affiliated companies and its representatives against any damage claims in connection with the unauthorized use of RECOM products in such safety-critical applications.