Features

Unregulated

- 1:1 Input Range
- Low Cost 1W Converter
- Efficiency to 76%

UL Certified

- -40°C to +85°C Operating Temperature Range
- Converters

Selection Guide				
Part Number	Input Voltago	Output Voltage	Output Current	Efficiency
SMD	Voltage (VDC)	Voltage (VDC)	(mA)	Efficiency (typ.)
REE-0505S	5	5	200	76%

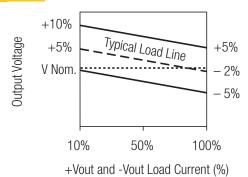
Specifications (measured at $T_A = 25^{\circ}$ C, nominal input voltage, full load and after warm-up)

	±10% max.
	-2% typ., ±5% max.
(low line to high line at max. load)	1.2%/1% of Vin typ.
20% to 100% load (5V output)	10% max.
55mVp-p) typ. / 100mVp-p max.
50kHz min. / 82	kHz typ. / 105kHz max.
	76% typ. / 70% min.
(tested for 1 second)	1000 VDC min.
(rated for 1 minute*)	500VAC / 60Hz
	75pF max.
(Viso=500V)	$1G\Omega$ min.
	1 sec.
	-40°C to +85°C
	-55°C to +125°C
	95% RH
	2.2g
using MIL-HDBK 217F	2400 x 10 ³ hours
using MIL-HDBK 217F	650 x 10 ³ hours
85-A4 UL60950-1	
	20% to 100% load (5V output) 55mVp-p 50kHz min. / 82 (tested for 1 second) (rated for 1 minute*) (Viso=500V) using MIL-HDBK 217F using MIL-HDBK 217F

*Any data referred to in this datasheet are of indicative nature and based on our practical experience only. For further details, please refer to our Application Notes.

Typical Characteristics

Tolerance Envelope



ECONOLINE

DC/DC-Converter with 3 year Warranty



1 Watt SIP7 Single Output

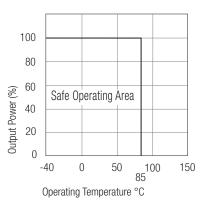




UL-60950-1 Certified

REE

Derating-Graph (Ambient Temperature)

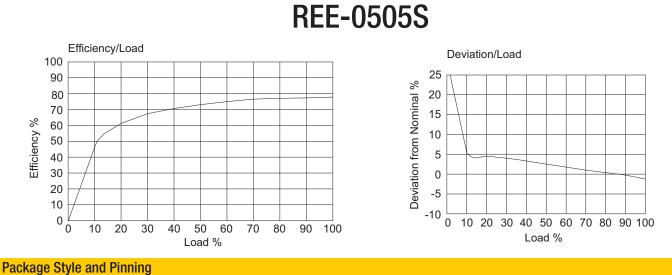


Refer to Application Notes

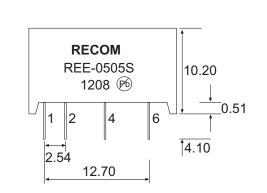


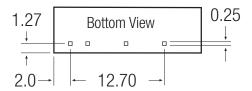
REE Series

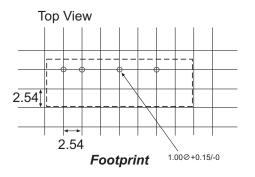
Typical Characteristics



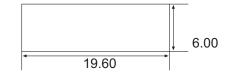
Single SIP 7PIN Package







Pin #	Function	
1	+Vin	
2	-Vin	
4	-Vout	
6	+Vout	
Unit: Tolerance	mm ± 0.25 mm	



The product information and specifications are subject to change without prior notice. RECOM products are not authorized for use in safety-critical applications (such as life support) without RECOM's explicit written consent. A safety-critical application is defined as an application where a failure of a RECOM product may reasonably be expected to endanger or cause loss of life, inflict bodily harm or damage property. The buyer 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.

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