

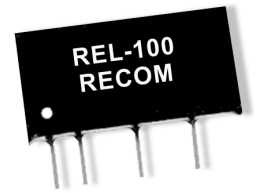
ECONOLINE - DC/DC-Converter

REL100 Series, 1 Watt, SIP7 (Single Output)

RECOM

Selection Guide

Part Number	Nominal Input Voltage	Output Voltage	Output Current	Input Current at Rated Load	Efficiency	Isolation Capacitance	Package Style
SIP 7	(VDC)	(VDC)	(mA)	(mA)	(%)	(pF)	
REL100	5	5	200	290	69	28	SIP
REL101	5	12	83	260	77	33	
REL102	5	15	67	253	79	40	
REL106	12	5	200	121	69	36	
REL107	12	12	83	110	76	58	
REL108	12	15	67	110	76	56	
REL112	15	5	200	121	69	36	
REL113	15	12	83	110	76	58	
REL114	15	15	67	110	76	56	

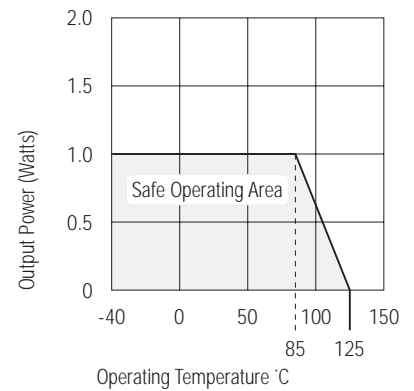


Features

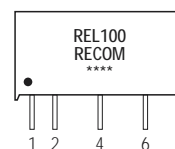
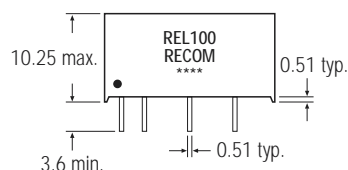
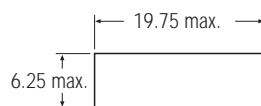
- Wide Temperature Performance
Full 1W Load, -40°C to +85°C
- Efficiency to 79%
- No Heatsink Required
- No Electrolytic or Tantalum Capacitors
- UL94V-0 Package Material

Specifications (Core Operating Area) and Operating Temperature / Derating-Graph

Input Voltage		±10%
Switching Frequency at Full Load	5V input types 12V input types 15V input types	110 kHz 160 kHz 100 kHz
Line Voltage Regulation		nom. 1.0%
Load Voltage Regulation (10% to 100% full load)	5V output types 12V output types 15V output types	nom. 12.5% nom. 6.9% nom. 6.5%
Efficiency at Full Load		See above
Isolation Voltage		1.000VDC min.
Ripple and Noise		nom. 30mV p-p
Short Circuit Protection		1 Second
Operating Temperature		-40°C to +85°C (see Graph)
Storage Temperature		-55°C to +125°C

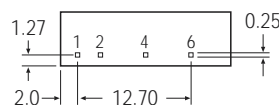


Package Style and Pinning (mm)



Pin Connections

Pin #	Single
1	+Vin
2	-Vin
4	-Vout
6	+Vout



XX.X ± 0.5 mm
XX.XX ± 0.25 mm