



ICI12DR01 1WATT SIP PACKAGE

FEATURES:

1000Vdc Single Output 1 Watt DC-DC Converter

7PIN SIP PACKAGE

1000Vdc Isolation

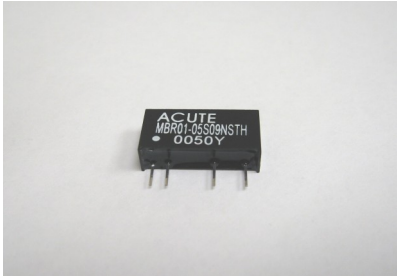
Regulated Output Types

UL 94V-0 Package Material

Operating Temperature: -40C to + 85C

MTBF: >3,500,000 Hours

ROHS Compliant



Specifications typical at TA=25C, nominal input voltage and rated output current unless otherwise specified.

Part Number ICI12DR Series	Input Voltage (Vdc)		Output Voltage	Output Current	Efficiency	Encapsulation
	Standard	Range	Vdc	mA	%TYP	
ICI12D-05S05RNL	5	4.75-5.25	5	200	65	SIP
ICI12D-05S09RNL			9	112	70	SIP
ICI12D-05S12RNL			12	84	70	SIP
ICI12D-05S15RNL			15	67	70	SIP
ICI12D-12S05RNL	12	11.4-12.6	5	200	65	SIP
ICI12D-12S09RNL			9	112	80	SIP
ICI12D-12S12RNL			12	84	80	SIP
ICI12D-12S15RNL			15	67	80	SIP
ICI12D-15S05RNL	15	14.25-15.75	5	200	70	SIP
ICI12D-15S09RNL			9	112	80	SIP
ICI12D-15S12RNL			12	84	80	SIP
ICI12D-15S15RNL			15	67	80	SIP
ICI12D-24S05RNL	24	22.8-25.2	5	200	75	SIP
ICI12D-24S09RNL			9	112	80	SIP
ICI12D-24S12RNL			12	84	80	SIP
ICI12D-24S15RNL			15	67	80	SIP



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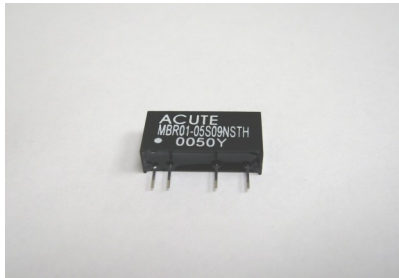
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Input Specifications					
Parameters	Conditions	Min	Typ	Max	Units
Voltage Tolerance				+/-5	%
Filter	Capacitor				

Output Specifications					
Parameters	Conditions	Min	Typ	Max	Units
Short Circuit Protection	Continuous			+/-5	%
Line Regulation	Regulated			+/-0.5	%
Load Regulation	Regulated			+/-1.5	%
Ripple & Noise	Output 5V BW=DC to 20MHz			100	mVp-p
Ripple & Noise	Output 12-48V BW=DC			1% of Vout	mVp=p
Transient response setting time	50% load step change		350		us

General Specifications					
Parameters	Conditions	Min	Typ	Max	Units
Isolation Resistance	500Vdc	1000			Mn
Operation Temperature		-40		+85	C
Humidity	Non condensing			95	%
Cooling	Free air Convec-				
Weight			2.4		g
Dimensions	Package Style	19.5 x 7.1 10.0	mm		

INTERNATIONAL COIL, INC./ACUTE POWER, 15 JONATHAN DRIVE, UNIT 1, BROCKTON, MA 02301

TEL: 508-580-8515 FAX: 508-580-8511, www.internationalcoil.com or www.acutepower.com



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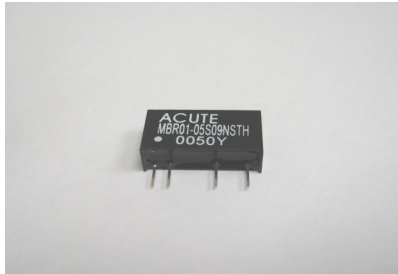
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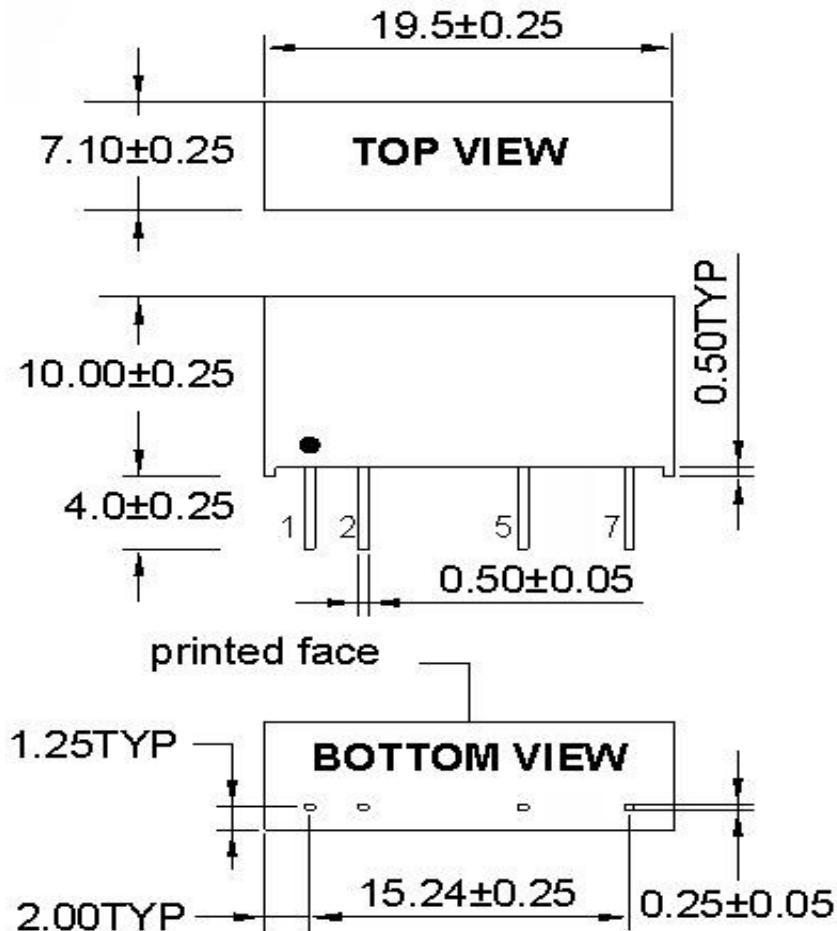
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MARKINGS AND DIMENSIONS



PIN Connection

PIN	SINGLE
1	+Vin
2	-Vin
5	-Vout
7	+Vout

UNIT:mm
Tolerances are ± 0.5