



Package 1 Size: 0.60 x 0.31 x 0.29 inch Package 2 Size: 0.60 x 0.31 x 0.33 inches Weight: 0.06oz (1.8g)

FEATURES

- 1 Watt Output Power
- RoHS Compliant
- Unregulated Single & Dual Outputs
- High I/O Isolation: 3000VDC
- No External Components Required

DESCRIPTION

- -40°C to +85°C Operating Temperature
- 22-PIN SMT Package and Industry Standard Pin-out
- High Efficiency up to 80%
- Recognized by UL60950-1
- MTBF > 3,500,000 Hours

The RC series of 1 watt DC/DC power converters are specially designed to provide high levels of isolation in a 22-PIN SMT package. This series consists of 50 models with nominal input voltages of 3.3V, 5V, 9V, 12V, and 15V and standard unregulated output voltages of 3.3V, 5V, 9V, 12V, and 15V in both single and dual output configurations. The RC series is highly suitable for high speed SMT pick-and-place machine operation. The operating temperature range of -40°C to +85°C is ideal for designers requiring industrial temperature operation. The RC series is RoHS compliant and has UL60950-1 safety approvals.

SPECIFICATIONS: RC SERIES

All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted. We reserve the right to change specifications based on technological advances.

SPECIFICATION	TEST	CONDITIONS	Min	Тур	Max	Unit	
INPUT SPECIFICATIONS							
	3.3VDC nominal input model	2.97	3.3	3.63			
Input Voltage Range	5VDC nominal input models	4.5	5	5.5			
	9VDC nominal input models	8.1	9	9.9	VDC		
	12VDC nominal input models	10.8	12	13.2			
	15VDC nominal input models	13.5	15	16.5			
Input Filter		capacitor					
OUTPUT SPECIFICATIONS							
Output Voltage				See ⁻	Table		
Output Voltage Tolerance	100% full load			±5	%		
Line Regulation	For Vin change of 1%			1.2		%	
<u> </u>		3.3 VDC output models		15		%	
	10% to 100% full load	5VDC output models			12		
Load Regulation		9VDC output models			8.0		
,		12 VDC output models			8.5		
		15VDC output models			7.0		
Output Current				See ⁻	Table		
Output Power					1	W	
Minimum Load			10			%	
Ripple & Noise	20MHz limited bandwidth				75	mVp-p	
Transient Response Setting Time	50% load step change			350		μs	
PROTECTION							
Short Circuit Protection				no	ne		
GENERAL SPECIFICATIONS							
Efficiency		See Table					
Switching Frequency	Nominal input and full load			100		KHz	
Isolation Voltage (Input to Output)		3000			VDC		
Isolation Resistance	500VDC	1000			MΩ		
ENVIRONMENTAL SPECIFICATI							
Operating Ambient Temperature	See derating curve	-40		+85	°C		
Humidity	Non-condensing				95	% RH	
Cooling		Free air convection					
MTBF	MIL-HDBK-217F at 25°C, gro	bund benign	3,500,000			hours	
PHYSICAL SPECIFICATIONS							
Case Material					AP		
Weight	Package 1 & Package 2	0.06oz (1.8g)					
	Package 1	0.60 x 0.31 x 0.29 inches					
Dimensions (L x W x H)		(15.24 x 8.0 x 7.30 mm)					
· · · ·	Package 2	0.60 x 0.31 x 0.33 inches (15.24 x 8.0 x 8.50 mm)					
SAFETY				10.24 x 0.0	× 0.00 mm	,	
				UL60	950-1		
Dimensions (L x W x H) SAFETY Safety Approvals *Due to advances in technology		o change without notice	0.	.60 x 0.31 >	x 0.33 ind x 8.50 n	che	



		MODE	L SELEC	TION TABL	E			
		Output			Ripple &		Efficiency ⁽²⁾	Package
input voltage			Max		Noise			Туре
								1
-								1
(2.97 - 3.63								1
VDC)								2
								2
_								1
5 VDC								1
(45-55VDC)								1
(4.5 - 5.5 VDC)								2
								2
9 VDC								1
								1
		11.2mA	112mA		75mVp-p			1
(0.1 - 0.0 VDC)		8.4mA		8.5%	75mVp-p			2
					75mVp-p		80%	2
			303mA				65%	2
12 VDC			200mA		75mVp-p			2
(10.8 - 13.2								2
VDC)								2
								2
								2
15 VDC								2
(13.5 - 16.5								2
VDC)								2
	15 VDC		-		75mVp-p	1W	80%	2
				MODELS				D 1
Input Voltage	Output Voltage	Min ⁽¹⁾	Max	Load Reg.	Noise	Output Power	Efficiency ⁽²⁾	Package Type
	±3.3 VDC	±15mA	±150mA	15%	75mVp-p	1W	65%	1
3.3 VDC	±5 VDC	±10mA	±100mA	12%	75mVp-p	1W	70%	1
(2.97 - 3.63	±9 VDC	±5.6mA	±56mA	8.0%	75mVp-p	1W	75%	1
VDC)	±12 VDC	±4.2mA	±42mA	8.5%	75mVp-p	1W	78%	2
	±15 VDC	±3.4mA	±34mA	7.00/			10/0	
				7.0%	75mVp-p	1W	80%	2
	±3.3 VDC	±15mA	±150mA	15%	75mVp-p 75mVp-p	1W 1W		2 1
	±3.3 VDC ±5 VDC	±15mA ±10mA					80%	
5 VDC			±150mA	15%	75mVp-p	1W	80% 65%	1
5 VDC (4.5 - 5.5 VDC)	±5 VDC	±10mA	±150mA ±100mA	15% 12%	75mVp-p 75mVp-p	1W 1W	80% 65% 70%	1 1
	±5 VDC ±9 VDC	±10mA ±5.6mA	±150mA ±100mA ±56mA	15% 12% 8.0%	75mVp-p 75mVp-p 75mVp-p	1W 1W 1W	80% 65% 70% 75%	1 1 1
	±5 VDC ±9 VDC ±12 VDC	±10mA ±5.6mA ±4.2mA	±150mA ±100mA ±56mA ±42mA	15% 12% 8.0% 8.5%	75mVp-p 75mVp-p 75mVp-p 75mVp-p	1W 1W 1W 1W	80% 65% 70% 75% 78%	1 1 1 2
(4.5 - 5.5 VDC)	±5 VDC ±9 VDC ±12 VDC ±15 VDC	±10mA ±5.6mA ±4.2mA ±3.4mA	±150mA ±100mA ±56mA ±42mA ±34mA	15% 12% 8.0% 8.5% 7.0%	75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p	1W 1W 1W 1W 1W	80% 65% 70% 75% 78% 80%	1 1 1 2 2
(4.5 - 5.5 VDC) 9 VDC	±5 VDC ±9 VDC ±12 VDC ±15 VDC ±3.3 VDC	±10mA ±5.6mA ±4.2mA ±3.4mA ±15mA	±150mA ±100mA ±56mA ±42mA ±34mA ±150mA	15% 12% 8.0% 8.5% 7.0% 15%	75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p	1W 1W 1W 1W 1W 1W	80% 65% 70% 75% 78% 80% 65%	1 1 2 2 1
(4.5 - 5.5 VDC)	±5 VDC ±9 VDC ±12 VDC ±15 VDC ±3.3 VDC ±5 VDC	±10mA ±5.6mA ±4.2mA ±3.4mA ±15mA ±10mA	±150mA ±100mA ±56mA ±42mA ±34mA ±150mA ±100mA	15% 12% 8.0% 8.5% 7.0% 15% 12%	75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p	1W 1W 1W 1W 1W 1W 1W	80% 65% 70% 75% 78% 80% 65% 70%	1 1 2 2 1 1
(4.5 - 5.5 VDC) 9 VDC	±5 VDC ±9 VDC ±12 VDC ±15 VDC ±3.3 VDC ±5 VDC ±9 VDC ±12 VDC	±10mA ±5.6mA ±4.2mA ±3.4mA ±15mA ±10mA ±5.6mA	±150mA ±100mA ±56mA ±42mA ±34mA ±150mA ±100mA ±56mA	15% 12% 8.0% 8.5% 7.0% 15% 12% 8.0% 8.5%	75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p	1W 1W 1W 1W 1W 1W 1W 1W	80% 65% 70% 75% 78% 80% 65% 70% 75%	1 1 2 2 1 1 1 1
(4.5 - 5.5 VDC) 9 VDC	±5 VDC ±9 VDC ±12 VDC ±15 VDC ±3.3 VDC ±5 VDC ±9 VDC	±10mA ±5.6mA ±4.2mA ±3.4mA ±15mA ±10mA ±5.6mA ±4.2mA	±150mA ±100mA ±56mA ±42mA ±34mA ±150mA ±100mA ±56mA ±42mA	15% 12% 8.0% 8.5% 7.0% 15% 12% 8.0%	75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p	1W 1W 1W 1W 1W 1W 1W 1W 1W	80% 65% 70% 75% 78% 80% 65% 70% 75% 78%	1 1 2 2 1 1 1 2
(4.5 - 5.5 VDC) 9 VDC	±5 VDC ±9 VDC ±12 VDC ±15 VDC ±3.3 VDC ±5 VDC ±9 VDC ±12 VDC ±15 VDC	±10mA ±5.6mA ±4.2mA ±3.4mA ±15mA ±10mA ±5.6mA ±4.2mA ±3.4mA	±150mA ±100mA ±56mA ±34mA ±150mA ±100mA ±56mA ±42mA ±34mA	15% 12% 8.0% 8.5% 7.0% 15% 8.0% 8.5% 7.0% 15%	75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p	1W 1W 1W 1W 1W 1W 1W 1W 1W 1W	80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80%	1 1 2 2 1 1 1 2 2 2 2 2
(4.5 - 5.5 VDC) 9 VDC (8.1 - 9.9 VDC) 12 VDC	±5 VDC ±9 VDC ±12 VDC ±15 VDC ±3.3 VDC ±5 VDC ±9 VDC ±12 VDC ±15 VDC ±3.3 VDC	±10mA ±5.6mA ±4.2mA ±3.4mA ±15mA ±10mA ±5.6mA ±4.2mA ±3.4mA ±3.4mA	±150mA ±100mA ±56mA ±42mA ±34mA ±150mA ±56mA ±42mA ±34mA ±34mA	15% 12% 8.0% 8.5% 7.0% 15% 12% 8.0% 8.5% 7.0%	75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p	1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1W	80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80% 65%	1 1 2 2 1 1 1 2 2 2 2 2 2
(4.5 - 5.5 VDC) 9 VDC (8.1 - 9.9 VDC) 12 VDC (10.8 - 13.2	±5 VDC ±9 VDC ±12 VDC ±15 VDC ±3.3 VDC ±5 VDC ±9 VDC ±15 VDC ±3.3 VDC ±5 VDC ±9 VDC	±10mA ±5.6mA ±4.2mA ±3.4mA ±15mA ±10mA ±5.6mA ±4.2mA ±3.4mA ±15mA ±10mA ±10mA ±5.6mA	±150mA ±100mA ±56mA ±34mA ±150mA ±100mA ±56mA ±42mA ±34mA ±150mA ±150mA ±100mA ±56mA	15% 12% 8.0% 8.5% 7.0% 15% 8.0% 8.5% 7.0% 15% 12% 8.0%	75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p	1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1W	80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80% 65% 70%	1 1 2 2 1 1 1 2 2 2 2 2 2 2 2
(4.5 - 5.5 VDC) 9 VDC (8.1 - 9.9 VDC) 12 VDC	±5 VDC ±9 VDC ±12 VDC ±15 VDC ±3.3 VDC ±5 VDC ±9 VDC ±12 VDC ±15 VDC ±15 VDC ±12 VDC ±15 VDC ±3.3 VDC ±5 VDC ±12 VDC ±12 VDC ±12 VDC ±12 VDC ±12 VDC	±10mA ±5.6mA ±4.2mA ±3.4mA ±15mA ±10mA ±5.6mA ±4.2mA ±3.4mA ±3.4mA ±15mA ±10mA	±150mA ±100mA ±56mA ±34mA ±150mA ±100mA ±56mA ±42mA ±34mA ±150mA ±150mA	15% 12% 8.0% 8.5% 7.0% 15% 8.0% 8.5% 7.0% 15% 12%	75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p	1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1	80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80% 65% 70% 75%	1 1 2 2 1 1 1 2 2 2 2 2 2 2 2 2 2 2
(4.5 - 5.5 VDC) 9 VDC (8.1 - 9.9 VDC) 12 VDC (10.8 - 13.2	±5 VDC ±9 VDC ±12 VDC ±15 VDC ±3.3 VDC ±5 VDC ±9 VDC ±15 VDC ±15 VDC ±12 VDC ±15 VDC ±12 VDC ±12 VDC ±12 VDC ±13 VDC ±5 VDC ±9 VDC ±12 VDC ±12 VDC ±15 VDC ±15 VDC	±10mA ±5.6mA ±4.2mA ±3.4mA ±15mA ±10mA ±5.6mA ±4.2mA ±3.4mA ±15mA ±10mA ±5.6mA ±4.2mA ±3.4mA	±150mA ±100mA ±56mA ±34mA ±150mA ±100mA ±56mA ±42mA ±34mA ±150mA ±100mA ±56mA ±100mA ±56mA	15% 12% 8.0% 8.5% 7.0% 15% 12% 8.0% 8.5% 7.0% 15% 12% 8.0% 8.5% 7.0% 15% 12% 8.0% 8.5% 7.0%	75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p	1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1	80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80% 65% 70% 75% 78%	1 1 2 2 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2
(4.5 - 5.5 VDC) 9 VDC (8.1 - 9.9 VDC) 12 VDC (10.8 - 13.2	±5 VDC ±9 VDC ±12 VDC ±15 VDC ±3.3 VDC ±5 VDC ±9 VDC ±12 VDC ±15 VDC ±15 VDC ±12 VDC ±15 VDC ±3.3 VDC ±5 VDC ±12 VDC ±12 VDC ±12 VDC ±12 VDC ±12 VDC	±10mA ±5.6mA ±4.2mA ±3.4mA ±15mA ±10mA ±5.6mA ±4.2mA ±15mA ±10mA ±10mA ±10mA ±5.6mA ±4.2mA	±150mA ±100mA ±56mA ±34mA ±150mA ±100mA ±56mA ±42mA ±34mA ±150mA ±100mA ±56mA ±100mA ±56mA ±42mA	15% 12% 8.0% 8.5% 7.0% 15% 7.0% 15% 12% 8.0% 8.5% 7.0% 15% 12% 8.0% 8.5% 7.0% 15% 12% 8.0% 8.5% 7.0% 15%	75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p	1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1	80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80%	1 1 2 2 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2
(4.5 - 5.5 VDC) 9 VDC (8.1 - 9.9 VDC) 12 VDC (10.8 - 13.2 VDC) 15 VDC	±5 VDC ±9 VDC ±12 VDC ±15 VDC ±3.3 VDC ±5 VDC ±9 VDC ±12 VDC ±15 VDC ±3.3 VDC ±5 VDC ±15 VDC ±15 VDC ±3.3 VDC ±5 VDC ±9 VDC ±15 VDC ±15 VDC ±15 VDC ±15 VDC ±15 VDC ±15 VDC ±3.3 VDC ±5 VDC	±10mA ±5.6mA ±4.2mA ±3.4mA ±15mA ±10mA ±5.6mA ±4.2mA ±3.4mA ±15mA ±10mA ±5.6mA ±4.2mA ±3.4mA ±3.4mA ±3.4mA ±15mA	±150mA ±100mA ±56mA ±34mA ±150mA ±100mA ±56mA ±42mA ±34mA ±150mA ±100mA ±56mA ±42mA ±34mA ±150mA ±100mA	15% 12% 8.0% 8.5% 7.0% 15% 12% 8.0% 8.5% 7.0% 15% 12% 8.0% 8.5% 7.0% 15% 12% 8.0% 8.5% 7.0% 15% 12%	75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p	1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1	80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80% 65% 70% 78% 80% 65% 70% 78% 80% 65% 70%	1 1 2 2 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2
(4.5 - 5.5 VDC) 9 VDC (8.1 - 9.9 VDC) 12 VDC (10.8 - 13.2 VDC)	±5 VDC ±9 VDC ±12 VDC ±15 VDC ±3.3 VDC ±5 VDC ±9 VDC ±15 VDC ±12 VDC ±15 VDC ±12 VDC ±15 VDC ±3.3 VDC ±5 VDC ±9 VDC ±12 VDC ±15 VDC ±3.3 VDC	±10mA ±5.6mA ±4.2mA ±3.4mA ±15mA ±10mA ±5.6mA ±4.2mA ±3.4mA ±15mA ±10mA ±5.6mA ±4.2mA ±3.4mA ±3.4mA ±3.4mA	±150mA ±100mA ±56mA ±42mA ±150mA ±150mA ±56mA ±42mA ±34mA ±150mA ±100mA ±56mA ±100mA ±56mA ±100mA ±56mA	15% 12% 8.0% 8.5% 7.0% 15% 7.0% 15% 12% 8.0% 8.5% 7.0% 15% 12% 8.0% 8.5% 7.0% 15% 12% 8.0% 8.5% 7.0% 15%	75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p 75mVp-p	1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1W 1	80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80% 65% 70% 75% 78% 80% 65%	1 1 2 2 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2
	5 VDC (4.5 - 5.5 VDC) 9 VDC (8.1 - 9.9 VDC) 12 VDC (10.8 - 13.2 VDC) 15 VDC (13.5 - 16.5 VDC) Input Voltage 3.3 VDC (2.97 - 3.63	1 3 3 VDC 3.3 VDC 5 VDC (2.97 - 3.63 VDC) 9 VDC 12 VDC 15 VDC 3.3 VDC 5 VDC 5 VDC 9 VDC (4.5 - 5.5 VDC) 9 VDC 9 VDC 15 VDC 9 VDC 15 VDC 9 VDC 15 VDC 9 VDC 15 VDC 9 VDC 12 VDC 15 VDC 9 VDC 12 VDC 15 VDC 12 VDC 15 VDC 12 VDC 15 VDC 12 VDC 15 VDC 15 VDC 3.3 VDC 15 VDC 5 VDC 15 VDC 12 VDC 15 VDC 5 VDC 15 VDC 12 VDC 15 VDC 12 VDC 15 VDC 12 VDC 15 VDC 12 VDC 15 VDC 15 VDC 13.3 VDC 15 VDC 15 VDC 15 VDC 15 VDC 15 VDC 15 VDC 12 VDC	Input Voltage Output Voltage Output Min ⁽¹⁾ 3.3 VDC 3.3 VDC 30.3mA 3.3 VDC 5 VDC 20mA (2.97 - 3.63 VDC) 9 VDC 11.2mA 12 VDC 8.4mA 15 VDC 6.7mA 3.3 VDC 30.3mA 5 VDC 6.7mA 3.3 VDC 30.3mA 5 VDC 20mA 9 VDC 11.2mA 15 VDC 20mA 9 VDC 11.2mA 15 VDC 20mA 9 VDC 30.3mA 9 VDC 30.3mA 9 VDC 20mA 9 VDC 30.3mA 15 VDC 20mA 9 VDC 11.2mA 15 VDC 20mA 12 VDC 8.4mA 15 VDC 20mA 112 VDC 8.4mA 15 VDC 20mA 112 VDC 8.4mA 15 VDC 20mA 15 VDC 20mA 15 VDC 20mA	$\begin{array}{c c c c c c } \text{Input Voltage} & \begin{array}{c c c c c } Output Voltage \\ \hline Name Name Number $	$\begin{array}{ $	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	SINGLE OUTPUT MODELS Input Voltage Output Vortage Min ⁽¹⁾ Output Current Min ⁽¹⁾ Load Reg. Ripple & Noise Output Power 3.3 VDC 30.3mA 303mA 15% 75mVp-p 1W 3.3 VDC 5 VDC 20mA 200mA 12% 75mVp-p 1W (2.97 - 3.63 9 VDC 11.2mA 84mA 8.0% 75mVp-p 1W (2.97 - 3.63 9 VDC 6.7mA 67mA 7.0% 75mVp-p 1W (2.97 - 3.63 9 VDC 3.0 XMA 303mA 15% 75mVp-p 1W (4.5 - 5.5 VDC 3.0 XDC 30.3mA 303mA 12% 75mVp-p 1W 9 VDC 11.2mA 112mA 8.0% 75mVp-p 1W 15 VDC 6.7mA 67mA 7.0% 75mVp-p 1W 9 VDC 11.2mA 112mA 8.0% 75mVp-p 1W 15 VDC 20mA 200mA 12% 75mVp-p 1W 15 VDC 6.7mA <t< td=""><td>SINGLE OUTPUT MODELS Input Voltage Output Voltage Min(") Output Current Max Load Reg. Ripple & Noise Output Power Efficiency(?) 3.3 VDC 30.3mA 303mA 15% 75mVp-p 1W 65% 3.3 VDC 9 VDC 11.2mA 112mA 8.0% 75mVp-p 1W 75% VDC) 12 VDC 8.4mA 84mA 8.5% 75mVp-p 1W 75% VDC) 15 VDC 6.7mA 67mA 75mVp-p 1W 80% 5 VDC 30.3mA 303mA 15% 75mVp-p 1W 75% 5 VDC 20mA 200mA 12% 75mVp-p 1W 75% 6(4.5 - 5.5 VDC) 12 VDC 8.4mA 84mA 8.5% 75mVp-p 1W 75% 6(4.5 - 5.5 VDC) 12 VDC 8.4mA 84mA 8.5% 75mVp-p 1W 75% 8 VDC 10.2mA 112mA 12mA 75mVp-p 1W 75% 8 VDC <</td></t<>	SINGLE OUTPUT MODELS Input Voltage Output Voltage Min(") Output Current Max Load Reg. Ripple & Noise Output Power Efficiency(?) 3.3 VDC 30.3mA 303mA 15% 75mVp-p 1W 65% 3.3 VDC 9 VDC 11.2mA 112mA 8.0% 75mVp-p 1W 75% VDC) 12 VDC 8.4mA 84mA 8.5% 75mVp-p 1W 75% VDC) 15 VDC 6.7mA 67mA 75mVp-p 1W 80% 5 VDC 30.3mA 303mA 15% 75mVp-p 1W 75% 5 VDC 20mA 200mA 12% 75mVp-p 1W 75% 6(4.5 - 5.5 VDC) 12 VDC 8.4mA 84mA 8.5% 75mVp-p 1W 75% 6(4.5 - 5.5 VDC) 12 VDC 8.4mA 84mA 8.5% 75mVp-p 1W 75% 8 VDC 10.2mA 112mA 12mA 75mVp-p 1W 75% 8 VDC <

Rev B

NOTES

1. The RC series requires a ±10% minimum output load to maintain all specified regulations.

2. As the input voltage increases, the efficiency will also increase.

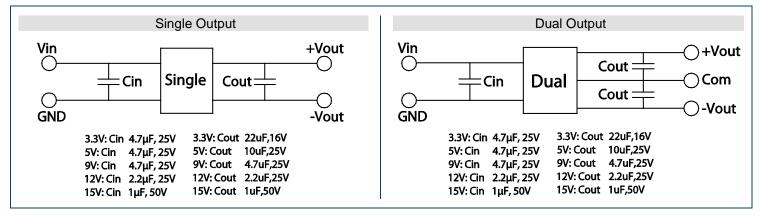
07/17/2014

Wall Industries, Inc. • 37 Industrial Drive, Exeter, NH 03833 • Tel: 603-778-2300 • Toll Free: 888-597-9255 • Fax 603-778-9797

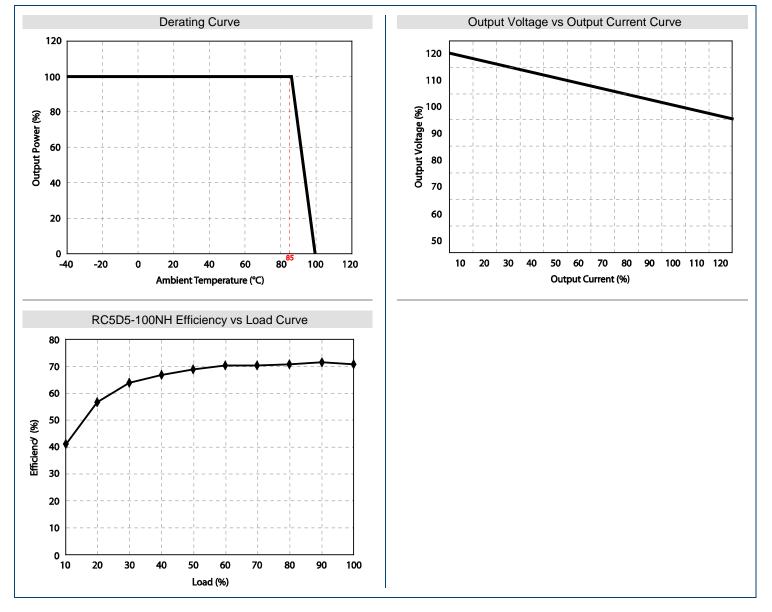
website: www.wallindustries.com • e-mail: sales@wallindustries.com



RECOMMENDED TEST CIRCUITS-



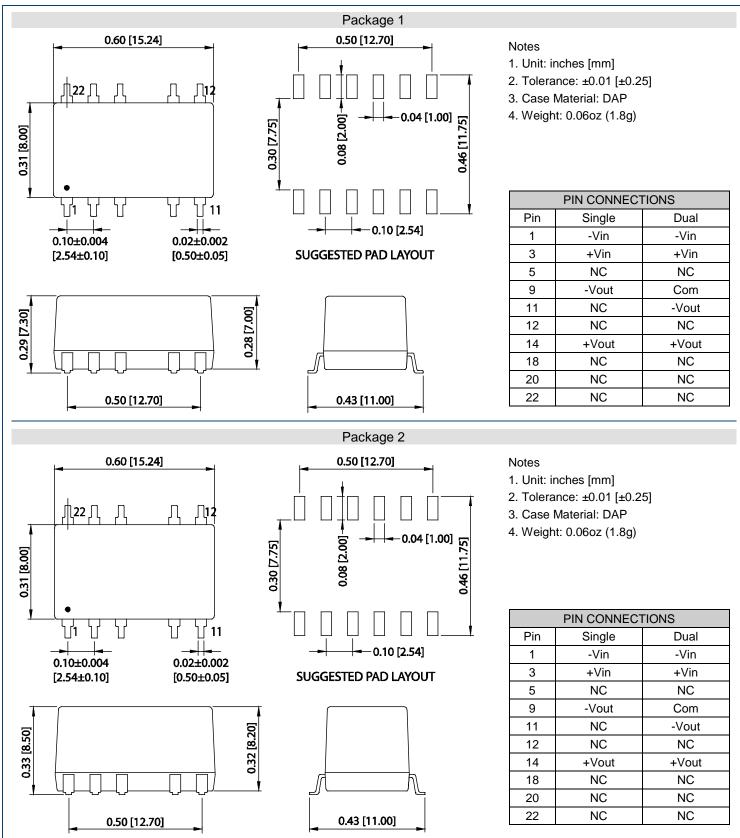
CHARACTERISTIC CURVES-



Wall Industries, Inc. • 37 Industrial Drive, Exeter, NH 03833 • Tel: 603-778-2300 • Toll Free: 888-597-9255 • Fax 603-778-9797



MECHANICAL DRAWINGS



Wall Industries, Inc. • 37 Industrial Drive, Exeter, NH 03833 • Tel: 603-778-2300 • Toll Free: 888-597-9255 • Fax 603-778-

9797



MODEL NUMBER SETUP-

RC	15	S	15	-	67	Ν	Н
Series Name	Input Voltage	Output Quantity	Ouptut Voltage		Output Current	Unregulated	I/O Isolation
	 33: 3.3 VDC 5: 5 VDC 9: 9 VDC 12: 12 VDC 15: 15 VDC 	S: Single Output	 33: 3.3 VDC 5: 5 VDC 9: 9 VDC 12: 12 VDC 15: 15 VDC 		 303: 303mA 200: 200mA 112: 112mA 83: 83mA 67: 67mA 	N: Unregulated	H: 3000VDC
		D: Dual Output	 33: ±3.3 VDC 5: ±5 VDC 9: ±9 VDC 12: ±12 VDC 15: ±15 VDC 		 150: ±150mA 100: ±100mA 55: ±56mA 42: ±42mA 33: ±34mA 		

COMPANY INFORMATION -

07/17/2014

Wall Industries, Inc. has created custom and modified units for over 50 years. Our in-house research and development engineers will provide a solution that exceeds your performance requirements on-time and on budget. Our ISO9001-2008 certification is just one example of our commitment to producing a high quality, well-documented product for our customers.

Our past projects demonstrate our commitment to you, our customer. Wall Industries, Inc. has a reputation for working closely with its customers to ensure each solution meets or exceeds form, fit and function requirements. We will continue to provide ongoing support for your project above and beyond the design and production phases. Give us a call today to discuss your future projects.

Contact Wall Industries for further information:

2 (603)778-2300
2 (888)597-9255
1 (603)778-9797
sales@wallindustries.com
www.wallindustries.com
37 Industrial Drive
Exeter, NH 03833