

- SIL7 / DIL14 Package
- Input Range $\pm 10 \%$
- Efficiency up to 84 %
- Low Ripple and Noise
- Isolation 1000 VDC, up to 6000 VDC
- EMI Complies with EN55032 Class B
- Operation Temperature Range -40 ~ 100 °C max.
- Non Conductive Black Plastic Case

RoHS



Picture similar

Number Structure

RS2	-	05	05	S	10	A	1
Series / Package	Input Voltage	Output Voltage	Output Type	Power	Int. Code	Isolation Voltage	
RS2 = SIL7	03 = 3.3 Vdc	03 = 3.3 Vdc	S = Single Output	10 = 1 W	Logistics Code	1 = 1000 Vdc	
RD2 = DIL14	05 = 5.0 Vdc	05 = 5.0 Vdc	D = Dual Output			2 = 2000 Vdc	
	12 = 12 Vdc	07 = 7.2 Vdc				3 = 3000 Vdc	
	15 = 15 Vdc	09 = 9.0 Vdc				4 = 4000 Vdc	
	24 = 24 Vdc	12 = 12 Vdc				5 = 5200 Vdc	
		15 = 15 Vdc				6 = 6000 Vdc	
		18 = 18 Vdc					
		24 = 24 Vdc					

Model Selection Guide							
Model Number	Input Voltage Range (VDC)	Input Current		Output Voltage (VDC)	Output Current Full Load (mA)	Efficiency @ FL (%, typ.)	Capacitive Load @ FL (µF, max.)
		No-Load (mA, max.)	Full Load (mA, typ.)				
RS2-0303S10AX	2.97-3.63	30	399	3.3	303	76	220
RS2-0305S10AX	2.97-3.63	25	394	5	200	77	220
RS2-0307S10AX	2.97-3.63	40	384	7.2	139	79	220
RS2-0309S10AX	2.97-3.63	55	384	9	111	79	220
RS2-0312S10AX	2.97-3.63	35	389	12	83	78	220
RS2-0315S10AX	2.97-3.63	35	389	15	67	78	220
RS2-0318S10AX	2.97-3.63	35	389	18	56	78	220
RS2-0324S10AX	2.97-3.63	45	384	24	42	79	220
RS2-0503S10AX	4.5-5.5	20	260	3.3	303	77	220
RS2-0505S10AX	4.5-5.5	25	250	5	200	80	220
RS2-0507S10AX	4.5-5.5	60	244	7.2	139	82	220
RS2-0509S10AX	4.5-5.5	20	244	9	111	82	220
RS2-0512S10AX	4.5-5.5	25	250	12	81	80	220
RS2-0515S10AX	4.5-5.5	60	247	15	67	81	220
RS2-0518S10AX	4.5-5.5	60	247	18	56	81	220
RS2-0524S10AX	4.5-5.5	60	244	24	42	82	220
RS2-1203S10AX	10.8-13.2	20	110	3.3	303	76	220
RS2-1205S10AX	10.8-13.2	20	108	5	200	77	220
RS2-1207S10AX	10.8-13.2	20	111	7.2	139	75	220
RS2-1209S10AX	10.8-13.2	13	104	9	111	80	220
RS2-1212S10AX	10.8-13.2	20	107	12	83	78	220
RS2-1215S10AX	10.8-13.2	20	104	15	67	80	220
RS2-1218S10AX	10.8-13.2	18	103	18	56	81	220
RS2-1224S10AX	10.8-13.2	25	111	24	42	75	220
RS2-1503S10AX	13.5-16.5	15	89	3.3	303	75	220
RS2-1505S10AX	13.5-16.5	15	82	5	200	81	220
RS2-1507S10AX	13.5-16.5	10	85	7.2	139	78	220
RS2-1509S10AX	13.5-16.5	15	85	9	111	78	220
RS2-1512S10AX	13.5-16.5	15	85	12	83	78	220
RS2-1515S10AX	13.5-16.5	15	84	15	67	79	220
RS2-1518S10AX	13.5-16.5	16	84	18	56	79	220
RS2-1524S10AX	13.5-16.5	20	81	24	42	82	220
RS2-2403S10AX	21.6-26.4	15	56	3.3	303	75	220
RS2-2405S10AX	21.6-26.4	15	53	5	200	79	220
RS2-2407S10AX	21.6-26.4	12	56	7.2	139	74	220
RS2-2409S10AX	21.6-26.4	12	55	9	111	76	220
RS2-2412S10AX	21.6-26.4	15	53	12	83	78	220
RS2-2415S10AX	21.6-26.4	15	53	15	67	79	220
RS2-2418S10AX	21.6-26.4	15	51	18	56	81	220
RS2-2424S10AX	21.6-26.4	15	52	24	42	80	220

Model Selection Guide							
Model Number	Input Voltage Range (VDC)	Input Current		Output Voltage (VDC)	Output Current Full Load (mA)	Efficiency @ FL (%, typ.)	Capacitive Load @ FL (µF, max.)
		No-Load (mA, max.)	Full Load (mA, typ.)				
RS2-0303D10AX	2.97-3.63	35	466	±3.3	±152	65	±100
RS2-0305D10AX	2.97-3.63	30	439	±5.0	±100	69	±100
RS2-0307D10AX	2.97-3.63	50	410	±7.2	±69	74	±100
RS2-0309D10AX	2.97-3.63	30	394	±9.0	±56	77	±100
RS2-0312D10AX	2.97-3.63	45	384	±12	±42	79	±100
RS2-0315D10AX	2.97-3.63	30	389	±15	±33	78	±100
RS2-0318D10AX	2.97-3.63	30	389	±18	±28	78	±100
RS2-0324D10AX	2.97-3.63	50	384	±24	±21	79	±100
RS2-0503D10AX	4.5-5.5	25	299	±3.3	±152	67	±100
RS2-0505D10AX	4.5-5.5	25	270	±5.0	±100	74	±100
RS2-0507D10AX	4.5-5.5	20	260	±7.2	±69	77	±100
RS2-0509D10AX	4.5-5.5	20	250	±9.0	±56	80	±100
RS2-0512D10AX	4.5-5.5	30	253	±12	±42	79	±100
RS2-0515D10AX	4.5-5.5	60	247	±15	±33	81	±100
RS2-0518D10AX	4.5-5.5	25	247	±18	±28	81	±100
RS2-0524D10AX	4.5-5.5	30	247	±24	±21	81	±100
RS2-1203D10AX	10.8-13.2	15	123	±3.3	±152	68	±100
RS2-1205D10AX	10.8-13.2	20	114	±5.0	±100	73	±100
RS2-1207D10AX	10.8-13.2	15	107	±7.2	±69	78	±100
RS2-1209D10AX	10.8-13.2	20	110	±9.0	±56	76	±100
RS2-1212D10AX	10.8-13.2	18	103	±12	±42	81	±100
RS2-1215D10AX	10.8-13.2	20	105	±15	±33	79	±100
RS2-1218D10AX	10.8-13.2	20	104	±18	±28	80	±100
RS2-1224D10AX	10.8-13.2	25	110	±24	±21	76	±100
RS2-1503D10AX	13.5-16.5	35	111	±3.3	±152	60	±100
RS2-1505D10AX	13.5-16.5	15	90	±5.0	±100	74	±100
RS2-1507D10AX	13.5-16.5	20	85	±7.2	±69	78	±100
RS2-1509D10AX	13.5-16.5	15	85	±9.0	±56	78	±100
RS2-1512D10AX	13.5-16.5	15	83	±12	±42	80	±100
RS2-1515D10AX	13.5-16.5	15	84	±15	±33	79	±100
RS2-1518D10AX	13.5-16.5	15	85	±18	±28	78	±100
RS2-1524D10AX	13.5-16.5	15	85	±24	±21	78	±100
RS2-2403D10AX	21.6-26.4	15	61	±3.3	±152	68	±100
RS2-2405D10AX	21.6-26.4	15	58	±5.0	±100	72	±100
RS2-2407D10AX	21.6-26.4	15	53	±7.2	±69	78	±100
RS2-2409D10AX	21.6-26.4	15	53	±9.0	±56	79	±100
RS2-2412D10AX	21.6-26.4	15	53	±12	±42	78	±100
RS2-2415D10AX	21.6-26.4	15	53	±15	±33	79	±100
RS2-2418D10AX	21.6-26.4	15	53	±18	±28	79	±100
RS2-2424D10AX	21.6-26.4	15	51	±24	±21	81	±100

Model Selection Guide							
Model Number	Input Voltage Range (VDC)	Input Current		Output Voltage (VDC)	Output Current Full Load (mA)	Efficiency @ FL (%, typ.)	Capacitive Load @ FL (µF, max.)
		No-Load (mA, max.)	Full Load (mA, typ.)				
RD2-0303S10AX	2.97-3.63	40	415	3.3	303	73	220
RD2-0305S10AX	2.97-3.63	35	394	5	200	77	220
RD2-0307S10AX	2.97-3.63	35	389	7.2	139	78	220
RD2-0309S10AX	2.97-3.63	30	389	9	111	78	220
RD2-0312S10AX	2.97-3.63	30	389	12	83	78	220
RD2-0315S10AX	2.97-3.63	30	389	15	67	78	220
RD2-0318S10AX	2.97-3.63	35	394	18	56	77	220
RD2-0324S10AX	2.97-3.63	35	394	24	42	77	220
RD2-0503S10AX	4.5-5.5	23	260	3.3	303	77	220
RD2-0505S10AX	4.5-5.5	25	247	5	200	81	220
RD2-0507S10AX	4.5-5.5	23	244	7.2	139	82	220
RD2-0509S10AX	4.5-5.5	20	241	9	111	83	220
RD2-0512S10AX	4.5-5.5	25	247	12	83	81	220
RD2-0515S10AX	4.5-5.5	33	250	15	67	80	220
RD2-0518S10AX	4.5-5.5	25	250	18	56	80	220
RD2-0524S10AX	4.5-5.5	28	247	24	42	81	220
RD2-1203S10AX	10.8-13.2	20	111	3.3	303	75	220
RD2-1205S10AX	10.8-13.2	20	105	5	200	79	220
RD2-1207S10AX	10.8-13.2	20	102	7.2	139	82	220
RD2-1209S10AX	10.8-13.2	13	104	9	111	80	220
RD2-1212S10AX	10.8-13.2	25	110	12	83	76	220
RD2-1215S10AX	10.8-13.2	15	102	15	67	82	220
RD2-1218S10AX	10.8-13.2	20	103	18	56	81	220
RD2-1224S10AX	10.8-13.2	30	113	24	42	74	220
RD2-1503S10AX	13.5-16.5	15	91	3.3	303	73	220
RD2-1505S10AX	13.5-16.5	15	83	5	200	80	220
RD2-1507S10AX	13.5-16.5	15	85	7.2	139	78	220
RD2-1509S10AX	13.5-16.5	15	85	9	111	78	220
RD2-1512S10AX	13.5-16.5	15	85	12	83	78	220
RD2-1515S10AX	13.5-16.5	20	85	15	67	78	220
RD2-1518S10AX	13.5-16.5	15	84	18	56	79	220
RD2-1524S10AX	13.5-16.5	15	83	24	42	80	220
RD2-2403S10AX	21.6-26.4	13	56	3.3	303	75	220
RD2-2405S10AX	21.6-26.4	15	53	5	200	78	220
RD2-2407S10AX	21.6-26.4	10	55	7.2	139	76	220
RD2-2409S10AX	21.6-26.4	10	55	9	111	76	220
RD2-2412S10AX	21.6-26.4	12	53	12	83	78	220
RD2-2415S10AX	21.6-26.4	12	52	15	67	80	220
RD2-2418S10AX	21.6-26.4	10	52	18	56	80	220
RD2-2424S10AX	21.6-26.4	10	52	24	42	80	220

Model Selection Guide							
Model Number	Input Voltage Range (VDC)	Input Current		Output Voltage (VDC)	Output Current Full Load (mA)	Efficiency @ FL (%, typ.)	Capacitive Load @ FL (µF, max.)
		No-Load (mA, max.)	Full Load (mA, typ.)				
RD2-0303D10AX	2.97-3.63	35	466	±3.3	±152	65	±100
RD2-0305D10AX	2.97-3.63	30	427	±5.0	±100	71	±100
RD2-0307D10AX	2.97-3.63	30	415	±7.2	±69	73	±100
RD2-0309D10AX	2.97-3.63	30	410	±9.0	±56	74	±100
RD2-0312D10AX	2.97-3.63	30	404	±12	±42	75	±100
RD2-0315D10AX	2.97-3.63	30	404	±15	±33	75	±100
RD2-0318D10AX	2.97-3.63	30	404	±18	±28	75	±100
RD2-0324D10AX	2.97-3.63	30	404	±24	±21	75	±100
RD2-0503D10AX	4.5-5.5	25	290	±3.3	±152	69	±100
RD2-0505D10AX	4.5-5.5	55	274	±5.0	±100	73	±100
RD2-0507D10AX	4.5-5.5	25	260	±7.2	±69	77	±100
RD2-0509D10AX	4.5-5.5	22	253	±9.0	±56	79	±100
RD2-0512D10AX	4.5-5.5	25	253	±12	±42	79	±100
RD2-0515D10AX	4.5-5.5	25	247	±15	±33	81	±100
RD2-0518D10AX	4.5-5.5	25	244	±18	±28	82	±100
RD2-0524D10AX	4.5-5.5	25	244	±24	±21	82	±100
RD2-1203D10AX	10.8-13.2	15	121	±3.3	±152	69	±100
RD2-1205D10AX	10.8-13.2	15	114	±5.0	±100	73	±100
RD2-1207D10AX	10.8-13.2	15	108	±7.2	±69	77	±100
RD2-1209D10AX	10.8-13.2	20	108	±9.0	±56	77	±100
RD2-1212D10AX	10.8-13.2	20	104	±12	±42	80	±100
RD2-1215D10AX	10.8-13.2	20	102	±15	±33	82	±100
RD2-1218D10AX	10.8-13.2	20	105	±18	±28	79	±100
RD2-1224D10AX	10.8-13.2	25	110	±24	±21	76	±100
RD2-1503D10AX	13.5-16.5	25	111	±3.3	±152	60	±100
RD2-1505D10AX	13.5-16.5	25	90	±5.0	±100	74	±100
RD2-1507D10AX	13.5-16.5	25	88	±7.2	±69	76	±100
RD2-1509D10AX	13.5-16.5	25	88	±9.0	±56	76	±100
RD2-1512D10AX	13.5-16.5	25	87	±12	±42	77	±100
RD2-1515D10AX	13.5-16.5	10	87	±15	±33	77	±100
RD2-1518D10AX	13.5-16.5	15	87	±18	±28	77	±100
RD2-1524D10AX	13.5-16.5	15	87	±24	±21	77	±100
RD2-2403D10AX	21.6-26.4	10	62	±3.3	±152	67	±100
RD2-2405D10AX	21.6-26.4	10	56	±5.0	±100	74	±100
RD2-2407D10AX	21.6-26.4	10	54	±7.2	±69	77	±100
RD2-2409D10AX	21.6-26.4	10	53	±9.0	±56	79	±100
RD2-2412D10AX	21.6-26.4	10	53	±12	±42	79	±100
RD2-2415D10AX	21.6-26.4	10	52	±15	±33	80	±100
RD2-2418D10AX	21.6-26.4	15	52	±18	±28	80	±100
RD2-2424D10AX	21.6-26.4	15	53	±24	±21	79	±100

ALL SPECIFICATIONS ARE TYPICAL AT 25 °C, NOMINAL INPUT AND FULL LOAD UNLESS OTHERWISE NOTED.

Input Specifications					
Parameter	Conditions	Min.	Typ.	Max.	Unit
Input Voltage Range	3.3 Vdc Input	2.97	3.3	3.63	VDC
	5.0 Vdc Input	4.5	5.0	5.5	
	12 Vdc Input	10.8	12	13.2	
	15 Vdc Input	13.5	15	16.5	
	24 Vdc Input	21.6	24	26.4	
Input Current (No Load)		See Table			mA
Input Current (Full Load)		See Table			mA
Input Filter		Capacitor			-
Input Reflected Ripple Current ⁽¹⁾			20		mApk-pk
Recommended input fuse (slow blow)	3.3 Vdc Input		1.25		A
	5.0 Vdc Input		0.75		
	12 Vdc Input		0.3		
	15 Vdc Input		0.3		
	24 Vdc Input		0.15		
Note : 1. Measured with a simulated source inductance of 12 μH and a source capacitor Cin (47 μF, ESR < 1 Ω at 100 kHz).					

Output Specifications					
Parameter	Conditions	Min.	Typ.	Max.	Unit
Output Voltage Accuracy		-3		+3	%
Line Regulation	For 1 % Vin Change	-1.4		+1.4	%
Load Regulation	3.3 Vdc Output			20	%
	From 20 % to 100 % Load			17	
Ripple & Noise	20 MHz Bandwidth			75	mVpk-pk
Short Circuit Protection		Short Term (1 sec.)			
Temperature Coefficient		-0.02		+0.02	%/°C
Maximum Capacitive Load	Minimum Vin and constant resistive load	See Table			

Absolute Maximum Ratings					
Parameter	Conditions	Min.	Typ.	Max.	Unit
Input Surge Voltage (100 ms)	3.3 Vdc Input			6	VDC
	5.0 Vdc Input			7	
	12 Vdc Input			15	
	15 Vdc Input			18	
	24 Vdc Input			28	
Soldering Temperature	1.5 mm from case 10 sec. max.			260	°C
Note : These are stress ratings. Exposure of devices to any of these conditions may adversely affect long-term reliability.					

General Specifications						
Parameter	Conditions		Min.	Typ.	Max.	Unit
Efficiency			See Table			%
Isolation Voltage	Input-output, and rated for 60 sec.	Suffix "1"	1000			VDC
		Suffix "2"	2000			
		Suffix "3"	3000			
		Suffix "4"	4000			
		Suffix "5"	5200			
		Suffix "6"	6000			
Isolation Resistance	Input-output		1000			MΩ
Isolation Capacitance	Input-output			60		pF
Switching Frequency				80		kHz
Reliability Calculated MTBF	MIL-HDBK-217 F @ 25 °C		1121			k hours
Safety Standard	IEC / EN / UL 62368-1		Designed to meet			
Environmental compliance	RoHS		Designed to meet			

Environmental Specifications						
Parameter	Conditions		Min.	Typ.	Max.	Unit
Operating Ambient Temperature	See the Derating Curve		-40		100	°C
Maximum Case Temperature					100	°C
Thermal Impedance			57.09			°C/W
Storage Humidity					95	% rel. H
Storage Temperature			-55		125	°C
Cooling	Natural Convection		30 - 65 LFM			

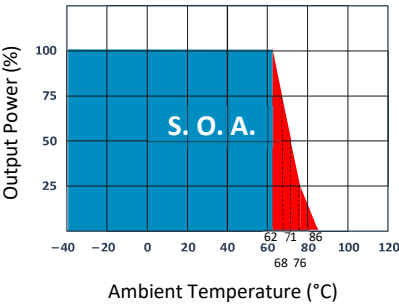
EMC Specifications				
Parameter	Standard		Condition	Criterion
Conducted Emissions	EN55032		with external components	B
Radiated Emissions	EN55032			B
ESD	IEC 61000-4-2		Air: ±8 kV / Indirect: ±6 kV	A
RS	IEC 61000-4-3		10 V/m	A
EFT	IEC 61000-4-4		±2 kV with external components	A
Surge	IEC 61000-4-5	SIL	±1.0 kV with external components	A
		DIL	±0.5 kV with external components	
CS	IEC 61000-4-6		10 Vrms	A
PFMF	IEC 61000-4-8		1 A/m	A

Physical Specifications		
Parameter	Value	
Case Material	Nonconductive Black Plastic (UL94V-0 rated)	
Pin Material	Alloy 42	
Potting Material	Epoxy (UL94V-0 rated)	
Weight	SIL	2.3 g, typ.
	DIL	2.7 g, typ.
Dimensions	SIL	0.76" x 0.24" x 0.39"
	DIL	0.80" x 0.40" x 0.27"

Thermal Derating

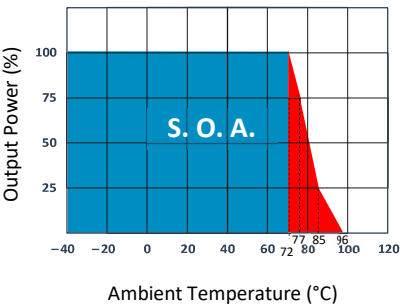
To enhance the system reliability, the power module should always be operated below the maximum operating temperature. If the temperature exceeds the maximum operating temperature, reliability of the unit may be affected.

Temperature Derating Curve



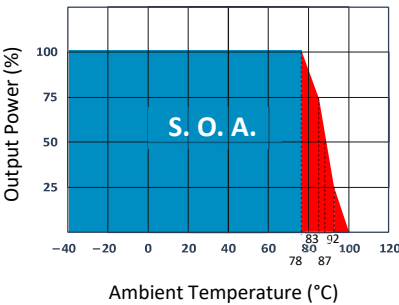
Efficiency : 60% ~ 65%

Temperature Derating Curve



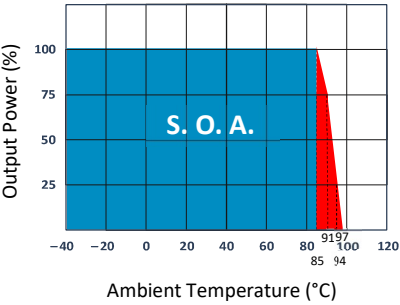
Efficiency : 67% ~ 71%

Temperature Derating Curve



Efficiency : 72% ~ 77%

Temperature Derating Curve

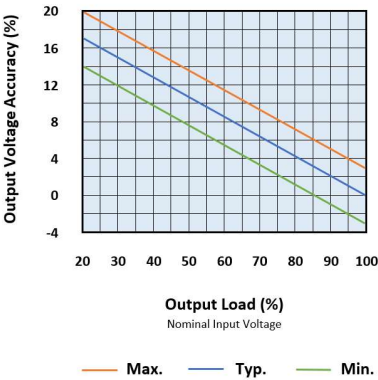


Efficiency : 78% ~ 83%

Output Voltage Tolerance Envelope Curve

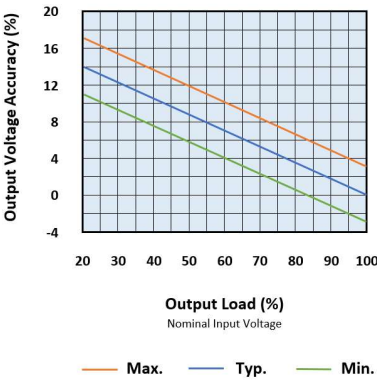
Output Voltage Tolerance Envelope Curve

Output Voltage Tolerance Envelope Curve



3.3 Vdc Output Models

Output Voltage Tolerance Envelope Curve

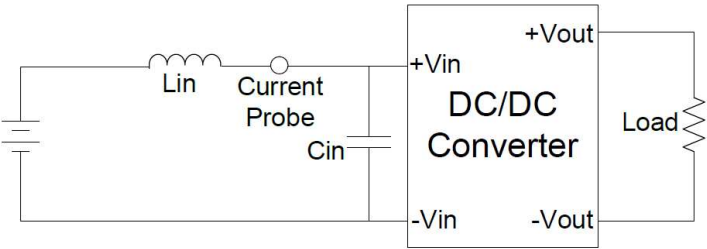


From 20% to 100% Load

Test Configurations

Input Reflected Ripple Current Test Step

Input reflected ripple current is measured with a source inductor L_{in} (12 μ H) and a source capacitor C_{in} (47 μ F, ESR < 1.0 Ω at 100 kHz) at nominal input and full load.



Isolation Voltage

This series is designed to meet the functional insulation of UL, both input and output should be maintained within SELV limits (less than 42.4 V peak, or 60 Vdc).

The isolation test voltage represents a measure of immunity to transient voltages and the part should never be used as an element of a safety isolation system. The part could be expected to function correctly with hundreds of volts offset applied continuously across the isolation barrier; but then the circuitry on both sides of the barrier must be regarded as operating at an unsafe voltage and further isolation/insulation systems must form a barrier between these circuits and any user-accessible circuitry according to safety standard requirements.

Repeated High-Voltage Isolation Testing

Repeated high-voltage isolation testing of a barrier component can actually degrade isolation capability, to a lesser or greater degree depending on materials, construction and environment. This series has isolation transformers without additional insulation between primary and secondary windings of enameled wire.

While parts can be expected to withstand several times the stated test voltage, the isolation capability does depend on the wire insulation.

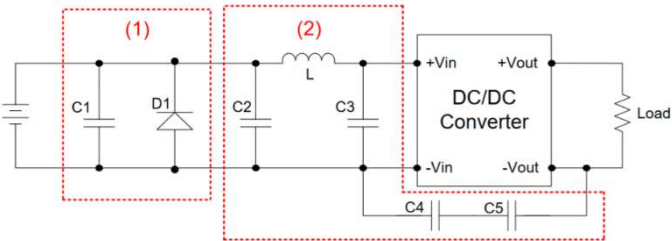
Any material including the enamel (typically polyurethane) is susceptible to eventual chemical degradation when subject to very high applied voltage, thus implying that the number of tests should be strictly limited.

We strongly advise against repeated high voltage isolation testing, but if it is absolutely required, the isolation test voltage should be reduced by 20 % from specified test voltage.

EMC Filter Details

EMC Filter for SIL Models

The part (1) Circuit is used to meet Surge & EFT test, and the part (2) Circuit is used to meet EMI test.

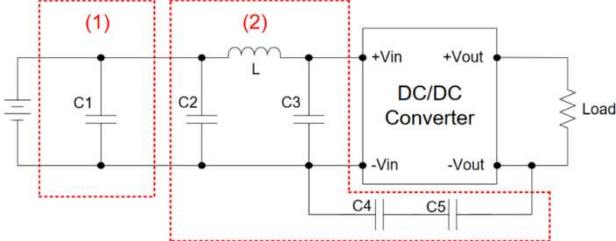


V in	C1	D1	C2	L1	C3	C4	C5		
3.3 V	Nippon Chemi-con KY-Series 2200μF / 100V	SMAJ5A	MLCC 2.2μF / 100V	18μH	/	/	/		
5 V		SMAJ6.5A							
12 V		SMAJ14A							
15 V		SMAJ18A							
24 V (≤ 3 kV)		SMAJ26A			MLCC 2.2μF / 100V	MLCC 470pF, 3kV	/		
24 V (≥ 4 kV)						MLCC 1000pF, 3kV	MLCC 1000pF, 3kV		

EMC Filter Details

EMC Filter for DIL Models

The part (1) Circuit is used to meet Surge & EFT test, and the part (2) Circuit is used to meet EMI test.



V in	C1	C2	L1	C3	C4	C5
3.3 V	Nippon Chemi-con KY-Series 470μF / 100V	MLCC 2.2μF / 100V	18μH	/	/	/
5 V						
12 V						
15 V						
24 V (≤ 3 kV)				MLCC 2.2μF / 100V	MLCC 470pF, 3kV	/
24 V (≥ 4 kV)						
					MLCC 1000pF, 3kV	MLCC 1000pF, 3kV

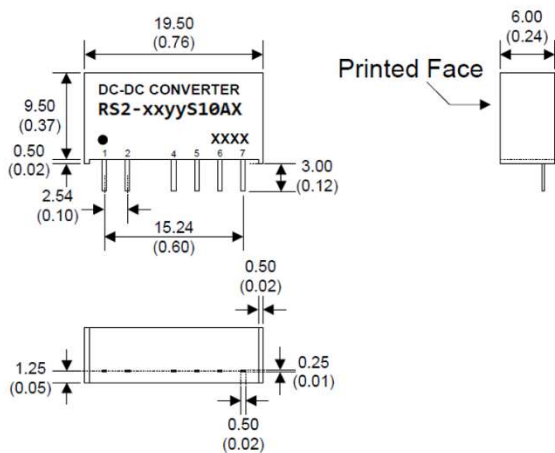
Pin Connections

SIL PIN CONNECTIONS				
ISOLATION	SUFFIX "1"		SUFFIX "2 ~ 6"	
PIN NUMBER	SINGLE	DUAL	SINGLE	DUAL
1	+Vin	+Vin	+Vin	+Vin
2	-Vin	-Vin	-Vin	-Vin
4	-Vout	-Vout	N.P.	N.P.
5	N.P.	COM	-Vout	-Vout
6	+Vout	+Vout	N.P.	COM
7	N.P.	N.P.	+Vout	+Vout
	*N.P. : No PIN			

DIL PIN CONNECTIONS				
ISOLATION	SUFFIX "1"		SUFFIX "2 ~ 6"	
PIN NUMBER	SINGLE	DUAL	SINGLE	DUAL
1	-Vin	-Vin	-Vin	-Vin
7	N.C.	N.C.	N.C.	N.C.
8	N.P.	COM	+Vout	+Vout
9	+Vout	+Vout	N.P.	COM
10	N.P.	N.P.	-Vout	-Vout
11	-Vout	-Vout	N.P.	N.P.
14	+Vin	+Vin	+Vin	+Vin
	*N.P. : No PIN			
	*N.C. : No Connection			

Mechanical Specifications

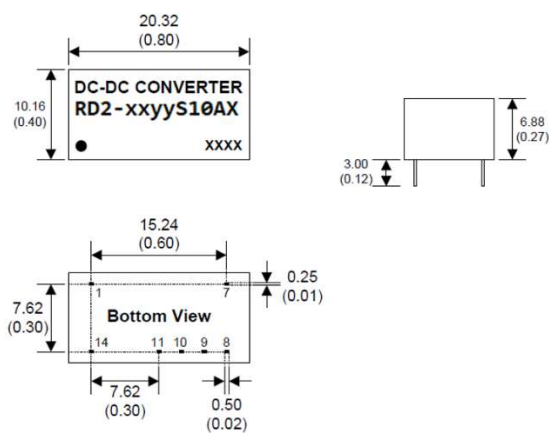
SIL Package



- Notes : All dimensions are typical in millimeters (inches).
- 1. Pin dimension tolerance: ± 0.05 (± 0.002)
 - 2. Pin pitch and length tolerance: ± 0.35 (± 0.014)
 - 3. Pin to case tolerance: ± 0.5 (± 0.02)
 - 4. Case Tolerance: ± 0.5 (± 0.02)

Mechanical Specifications

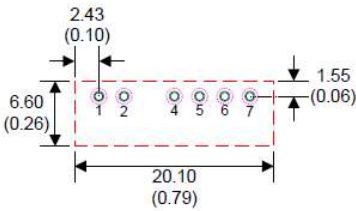
DIL Package



- Notes : All dimensions are typical in millimeters (inches).
- 1. Pin dimension tolerance: ± 0.05 (± 0.002)
 - 2. Pin pitch and length tolerance: ± 0.35 (± 0.014)
 - 3. Pin to case tolerance: ± 0.5 (± 0.02)
 - 4. Case Tolerance: ± 0.5 (± 0.02)

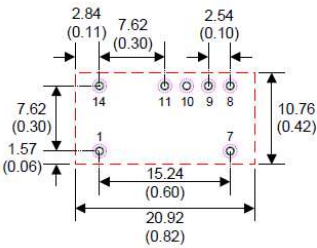
Recommended Footprint Details

SIL Package



SIL Notes : All dimensions are typical in millimeters (inches).
1. Through hole (black): Ø 0.80 (0.031)
2. Top view pad (green): Ø 1.00 (0.039)
3. Bottom view pad (pink): Ø 1.60 (0.063)

DIL Package



DIL Notes : All dimensions are typical in millimeters (inches).
1. Through hole (black): Ø 0.80 (0.031)
2. Top view pad (green): Ø 1.00 (0.039)
3. Bottom view pad (pink): Ø 1.60 (0.063)

Notes

The information and specification contained in this data sheet are believed to be correct at time of publication. However, Acal BFi accepts no responsibility for consequences arising from printing errors or inaccuracies. Specifications are subject to change without notice.