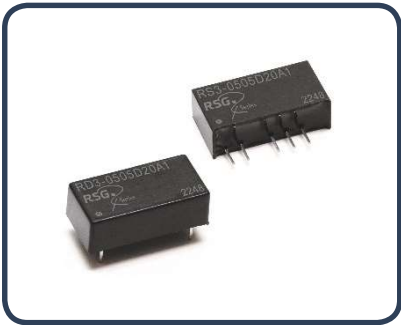


- SIL7 / DIL14 Package
- Input Range $\pm 10\%$
- Efficiency up to 89 %
- Low Ripple and Noise
- Isolation 1000 VDC, up to 6000 VDC
- EMI Complies with EN55032 Class B
- Operation Temperature Range -40 ~ 100 °C max.
- Non Conductive Black Plastic Case

RoHS



Picture similar

Number Structure

RS3	-	05	05	S	20	A	1
Series / Package	Input Voltage	Output Voltage	Output Type	Power	Int. Code	Isolation Voltage	
RS3 = SIL7	03 = 3.3 Vdc	03 = 3.3 Vdc	S = Single Output	20 = 2 W	Logistics Code	1 = 1000 Vdc	
RD3 = 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.)				
RS3-0303S20AX	2.97-3.63	35	533	3.3	400	75	470
RS3-0305S20AX	2.97-3.63	45	797	5	400	76	470
RS3-0307S20AX	2.97-3.63	50	777	7.2	278	78	470
RS3-0309S20AX	2.97-3.63	50	777	9	222	78	470
RS3-0312S20AX	2.97-3.63	50	758	12	167	80	470
RS3-0315S20AX	2.97-3.63	47	777	15	133	78	470
RS3-0318S20AX	2.97-3.63	50	777	18	111	78	470
RS3-0324S20AX	2.97-3.63	55	777	24	83	78	470
RS3-0503S20AX	4.5-5.5	26	347	3.3	400	76	470
RS3-0505S20AX	4.5-5.5	30	494	5	400	81	470
RS3-0507S20AX	4.5-5.5	35	494	7.2	278	81	470
RS3-0509S20AX	4.5-5.5	40	488	9	222	82	470
RS3-0512S20AX	4.5-5.5	35	471	12	167	85	470
RS3-0515S20AX	4.5-5.5	35	476	15	133	84	470
RS3-0518S20AX	4.5-5.5	40	494	18	111	81	470
RS3-0524S20AX	4.5-5.5	45	476	24	83	84	470
RS3-1203S20AX	10.8-13.2	26	151	3.3	400	73	470
RS3-1205S20AX	10.8-13.2	35	206	5	400	81	470
RS3-1207S20AX	10.8-13.2	18	198	7.2	278	84	470
RS3-1209S20AX	10.8-13.2	20	201	9	222	83	470
RS3-1212S20AX	10.8-13.2	20	194	12	167	86	470
RS3-1215S20AX	10.8-13.2	25	196	15	133	85	470
RS3-1218S20AX	10.8-13.2	25	201	18	111	83	470
RS3-1224S20AX	10.8-13.2	25	203	24	83	82	470
RS3-1503S20AX	13.5-16.5	25	126	3.3	400	70	470
RS3-1505S20AX	13.5-16.5	15	161	5	400	83	470
RS3-1507S20AX	13.5-16.5	20	161	7.2	278	83	470
RS3-1509S20AX	13.5-16.5	15	150	9	222	89	470
RS3-1512S20AX	13.5-16.5	15	157	12	167	85	470
RS3-1515S20AX	13.5-16.5	12	155	15	133	86	470
RS3-1518S20AX	13.5-16.5	20	157	18	111	85	470
RS3-1524S20AX	13.5-16.5	20	161	24	83	83	470
RS3-2403S20AX	21.6-26.4	15	70	3.3	400	79	470
RS3-2405S20AX	21.6-26.4	15	103	5	400	81	470
RS3-2407S20AX	21.6-26.4	15	104	7.2	278	80	470
RS3-2409S20AX	21.6-26.4	15	100	9	222	83	470
RS3-2412S20AX	21.6-26.4	15	98	12	167	85	470
RS3-2415S20AX	21.6-26.4	15	99	15	133	84	470
RS3-2418S20AX	21.6-26.4	15	102	18	111	82	470
RS3-2424S20AX	21.6-26.4	20	103	24	83	81	470

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.)				
RS3-0303D20AX	2.97-3.63	30	526	±3.3	±200	76	±220
RS3-0305D20AX	2.97-3.63	45	777	±5	±200	78	±220
RS3-0307D20AX	2.97-3.63	50	777	±7.2	±139	78	±220
RS3-0309D20AX	2.97-3.63	50	777	±9	±111	78	±220
RS3-0312D20AX	2.97-3.63	50	777	±12	±83	78	±220
RS3-0315D20AX	2.97-3.63	50	748	±15	±67	81	±220
RS3-0318D20AX	2.97-3.63	50	758	±18	±56	80	±220
RS3-0324D20AX	2.97-3.63	45	758	±24	±42	80	±220
RS3-0503D20AX	4.5-5.5	30	383	±3.3	±200	69	±220
RS3-0505D20AX	4.5-5.5	35	541	±5	±200	74	±220
RS3-0507D20AX	4.5-5.5	100	519	±7.2	±139	77	±220
RS3-0509D20AX	4.5-5.5	40	513	±9	±111	78	±220
RS3-0512D20AX	4.5-5.5	40	500	±12	±83	80	±220
RS3-0515D20AX	4.5-5.5	35	488	±15	±67	82	±220
RS3-0518D20AX	4.5-5.5	35	482	±18	±56	83	±220
RS3-0524D20AX	4.5-5.5	45	488	±24	±42	82	±220
RS3-1203D20AX	10.8-13.2	20	155	±3.3	±200	71	±220
RS3-1205D20AX	10.8-13.2	25	222	±5	±200	75	±220
RS3-1207D20AX	10.8-13.2	25	214	±7.2	±139	78	±220
RS3-1209D20AX	10.8-13.2	25	208	±9	±111	80	±220
RS3-1212D20AX	10.8-13.2	25	208	±12	±83	80	±220
RS3-1215D20AX	10.8-13.2	25	201	±15	±67	83	±220
RS3-1218D20AX	10.8-13.2	25	196	±18	±56	85	±220
RS3-1224D20AX	10.8-13.2	20	194	±24	±42	86	±220
RS3-1503D20AX	13.5-16.5	20	126	±3.3	±200	70	±220
RS3-1505D20AX	13.5-16.5	15	178	±5	±200	75	±220
RS3-1507D20AX	13.5-16.5	20	171	±7.2	±139	78	±220
RS3-1509D20AX	13.5-16.5	20	171	±9	±111	78	±220
RS3-1512D20AX	13.5-16.5	15	161	±12	±83	83	±220
RS3-1515D20AX	13.5-16.5	16	161	±15	±67	83	±220
RS3-1518D20AX	13.5-16.5	20	161	±18	±56	83	±220
RS3-1524D20AX	13.5-16.5	20	161	±24	±42	83	±220
RS3-2403D20AX	21.6-26.4	10	79	±3.3	±200	70	±220
RS3-2405D20AX	21.6-26.4	15	110	±5	±200	76	±220
RS3-2407D20AX	21.6-26.4	15	108	±7.2	±139	77	±220
RS3-2409D20AX	21.6-26.4	15	103	±9	±111	81	±220
RS3-2412D20AX	21.6-26.4	15	100	±12	±83	83	±220
RS3-2415D20AX	21.6-26.4	15	98	±15	±67	85	±220
RS3-2418D20AX	21.6-26.4	15	98	±18	±56	85	±220
RS3-2424D20AX	21.6-26.4	15	96	±24	±42	87	±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.)				
RD3-0303S20AX	2.97-3.63	40	533	3.3	400	75	470
RD3-0305S20AX	2.97-3.63	50	797	5	400	76	470
RD3-0307S20AX	2.97-3.63	50	777	7.2	278	78	470
RD3-0309S20AX	2.97-3.63	50	777	9	222	78	470
RD3-0312S20AX	2.97-3.63	50	777	12	167	78	470
RD3-0315S20AX	2.97-3.63	50	777	15	133	78	470
RD3-0318S20AX	2.97-3.63	50	777	18	111	78	470
RD3-0324S20AX	2.97-3.63	50	777	24	83	78	470
RD3-0503S20AX	4.5-5.5	25	338	3.3	400	78	470
RD3-0505S20AX	4.5-5.5	30	500	5	400	80	470
RD3-0507S20AX	4.5-5.5	30	482	7.2	278	83	470
RD3-0509S20AX	4.5-5.5	30	482	9	222	83	470
RD3-0512S20AX	4.5-5.5	35	482	12	167	83	470
RD3-0515S20AX	4.5-5.5	30	471	15	133	85	470
RD3-0518S20AX	4.5-5.5	35	471	18	111	85	470
RD3-0524S20AX	4.5-5.5	45	488	24	83	82	470
RD3-1203S20AX	10.8-13.2	18	145	3.3	400	76	470
RD3-1205S20AX	10.8-13.2	18	208	5	400	80	470
RD3-1207S20AX	10.8-13.2	20	201	7.2	278	83	470
RD3-1209S20AX	10.8-13.2	20	201	9	222	83	470
RD3-1212S20AX	10.8-13.2	20	194	12	167	86	470
RD3-1215S20AX	10.8-13.2	25	203	15	133	82	470
RD3-1218S20AX	10.8-13.2	25	203	18	111	82	470
RD3-1224S20AX	10.8-13.2	25	203	24	83	82	470
RD3-1503S20AX	13.5-16.5	25	126	3.3	400	70	470
RD3-1505S20AX	13.5-16.5	15	163	5	400	82	470
RD3-1507S20AX	13.5-16.5	20	163	7.2	278	82	470
RD3-1509S20AX	13.5-16.5	20	157	9	222	85	470
RD3-1512S20AX	13.5-16.5	20	157	12	167	85	470
RD3-1515S20AX	13.5-16.5	13	159	15	133	84	470
RD3-1518S20AX	13.5-16.5	20	161	18	111	83	470
RD3-1524S20AX	13.5-16.5	20	161	24	83	83	470
RD3-2403S20AX	21.6-26.4	15	73	3.3	400	75	470
RD3-2405S20AX	21.6-26.4	15	103	5	400	81	470
RD3-2407S20AX	21.6-26.4	15	104	7.2	278	80	470
RD3-2409S20AX	21.6-26.4	15	103	9	222	81	470
RD3-2412S20AX	21.6-26.4	15	100	12	167	83	470
RD3-2415S20AX	21.6-26.4	15	97	15	133	86	470
RD3-2418S20AX	21.6-26.4	15	99	18	111	84	470
RD3-2424S20AX	21.6-26.4	20	100	24	83	83	470

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.)				
RD3-0303D20AX	2.97-3.63	30	548	±3.3	±200	73	±220
RD3-0305D20AX	2.97-3.63	50	787	±5	±200	77	±220
RD3-0307D20AX	2.97-3.63	50	787	±7.2	±139	77	±220
RD3-0309D20AX	2.97-3.63	50	787	±9	±111	77	±220
RD3-0312D20AX	2.97-3.63	50	787	±12	±83	77	±220
RD3-0315D20AX	2.97-3.63	50	767	±15	±67	79	±220
RD3-0318D20AX	2.97-3.63	50	767	±18	±56	79	±220
RD3-0324D20AX	2.97-3.63	50	767	±24	±42	79	±220
RD3-0503D20AX	4.5-5.5	30	338	±3.3	±200	78	±220
RD3-0505D20AX	4.5-5.5	35	548	±5	±200	73	±220
RD3-0507D20AX	4.5-5.5	35	513	±7.2	±139	78	±220
RD3-0509D20AX	4.5-5.5	36	513	±9	±111	78	±220
RD3-0512D20AX	4.5-5.5	38	488	±12	±83	82	±220
RD3-0515D20AX	4.5-5.5	30	482	±15	±67	82	±220
RD3-0518D20AX	4.5-5.5	35	471	±18	±56	84	±220
RD3-0524D20AX	4.5-5.5	45	482	±24	±42	83	±220
RD3-1203D20AX	10.8-13.2	15	138	±3.3	±200	80	±220
RD3-1205D20AX	10.8-13.2	25	219	±5	±200	76	±220
RD3-1207D20AX	10.8-13.2	20	206	±7.2	±139	81	±220
RD3-1209D20AX	10.8-13.2	20	206	±9	±111	81	±220
RD3-1212D20AX	10.8-13.2	25	201	±12	±83	83	±220
RD3-1215D20AX	10.8-13.2	25	201	±15	±67	83	±220
RD3-1218D20AX	10.8-13.2	25	198	±18	±56	84	±220
RD3-1224D20AX	10.8-13.2	25	192	±24	±42	87	±220
RD3-1503D20AX	13.5-16.5	20	131	±3.3	±200	67	±220
RD3-1505D20AX	13.5-16.5	15	165	±5	±200	81	±220
RD3-1507D20AX	13.5-16.5	20	178	±7.2	±139	75	±220
RD3-1509D20AX	13.5-16.5	20	178	±9	±111	75	±220
RD3-1512D20AX	13.5-16.5	20	161	±12	±83	83	±220
RD3-1515D20AX	13.5-16.5	20	161	±15	±67	83	±220
RD3-1518D20AX	13.5-16.5	20	167	±18	±56	80	±220
RD3-1524D20AX	13.5-16.5	20	167	±24	±42	80	±220
RD3-2403D20AX	21.6-26.4	15	71	±3.3	±200	79	±220
RD3-2405D20AX	21.6-26.4	13	111	±5	±200	75	±220
RD3-2407D20AX	21.6-26.4	15	114	±7.2	±139	76	±220
RD3-2409D20AX	21.6-26.4	15	102	±9	±111	82	±220
RD3-2412D20AX	21.6-26.4	15	99	±12	±83	83	±220
RD3-2415D20AX	21.6-26.4	15	99	±15	±67	84	±220
RD3-2418D20AX	21.6-26.4	15	98	±18	±56	85	±220
RD3-2424D20AX	21.6-26.4	15	95	±24	±42	88	±220

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		2.0		A
	5.0 Vdc Input		1.5		
	12 Vdc Input		0.6		
	15 Vdc Input		0.5		
	24 Vdc Input		0.3		
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	-1.3		+1.3	%
Load Regulation	3.3 Vdc Output			+20	%
	From 20 % to 100 % Load			+15	
Ripple & Noise ⁽¹⁾	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	3.3 Vdc Output	55.7			°C/W
	Other Output	52.6			
Storage Humidity				95	% rel. H
Storage Temperature		-55		125	°C
Cooling	Natural Convection	30 - 65 LFM			

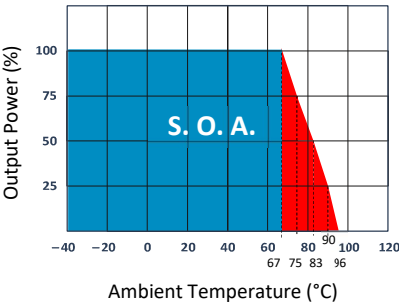
EMC Specifications				
Parameter	Standard		Condition	Criterion
Conducted Emissions	EN55032		with external components	B
Radiated Emissions	EN55032			B
ESD	IEC 61000-4-2		Air: ±8 kV / Indirect: ±6 kV	A
RS	IEC 61000-4-3		10 V/m	A
EFT	IEC 61000-4-4		±2.0 kV with external components	A
Surge	IEC 61000-4-5		±0.5 kV with external components	A
CS	IEC 61000-4-6		10 Vrms	A
PFMF	IEC 61000-4-8	SIL	1 A/m	A
		DIL	10 A/m	

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 / 2.7 g, typ.
	DIL	2.6 g, typ.
Dimensions	SIL	0.76" x 0.24" x 0.39" / 0.76" x 0.28" x 0.39"
	DIL	0.80" x 0.40" x 0.27"

Thermal Derating

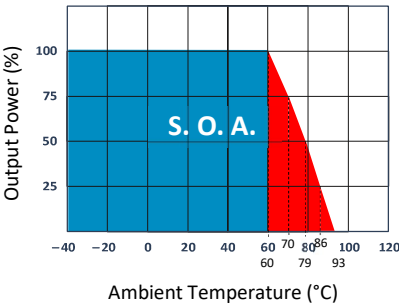
To enhance the system reliability, the power module should always be operated below the maximum operating temperature. If the temperature exceeds the maximum operating temperature, reliability of the unit may be affected.

Temperature Derating Curve



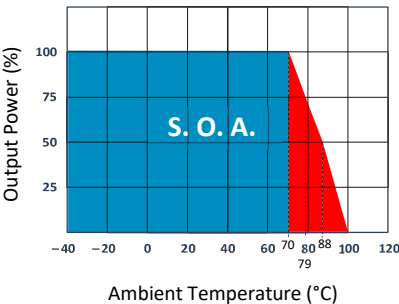
3.3 Vdc Output

Temperature Derating Curve



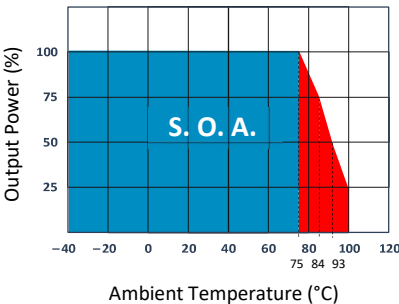
Efficiency : 73 % ~ 77 %

Temperature Derating Curve



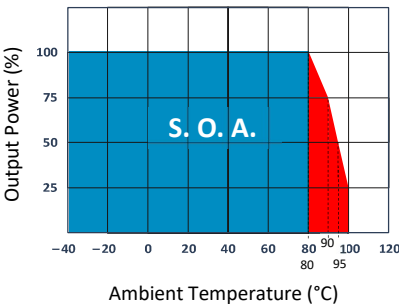
Efficiency : 78 % ~ 80 %

Temperature Derating Curve



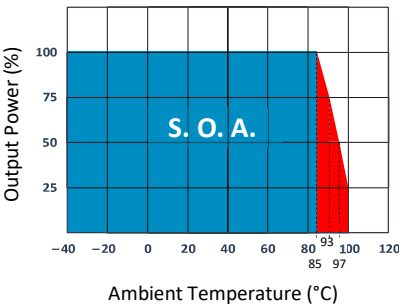
Efficiency : 81 % ~ 84 %

Temperature Derating Curve



Efficiency : 85 % ~ 87 %

Temperature Derating Curve

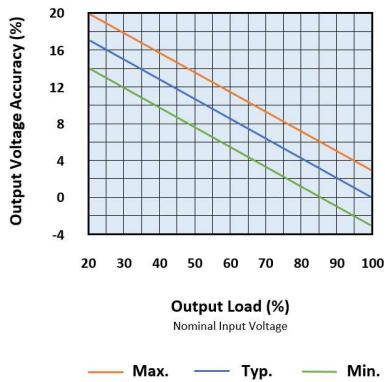


Efficiency : 88 % ~ 89 %

Output Voltage Tolerance Envelope Curve

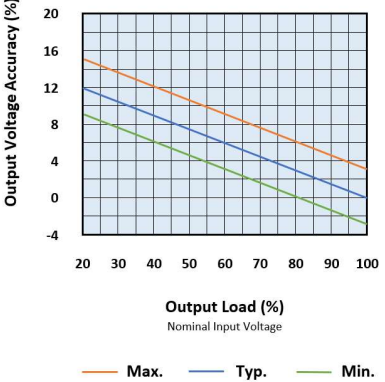
Output Voltage Tolerance Envelope Curve

Output Voltage Tolerance Envelope Curve



3.3 Vdc Output Models

Output Voltage Tolerance Envelope Curve

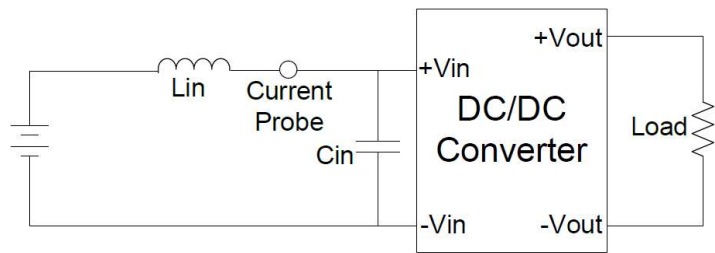


From 20% to 100% Load

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.

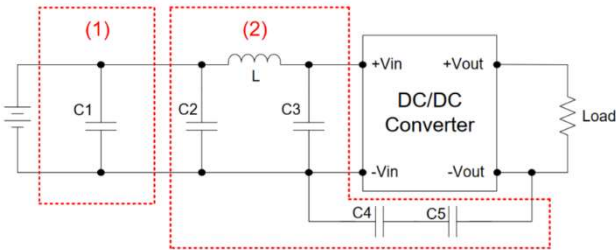
While parts can be expected to withstand several times the stated test voltage, the isolation capability does depend on the wire insulation.

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 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

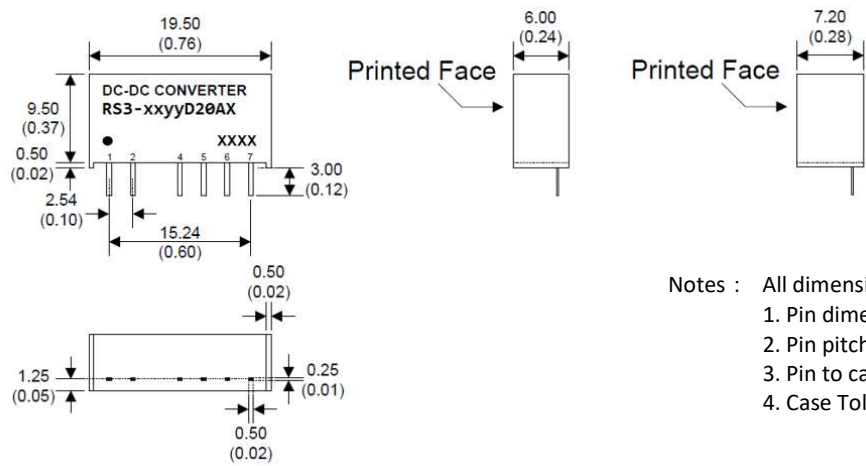
Pin Connections

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



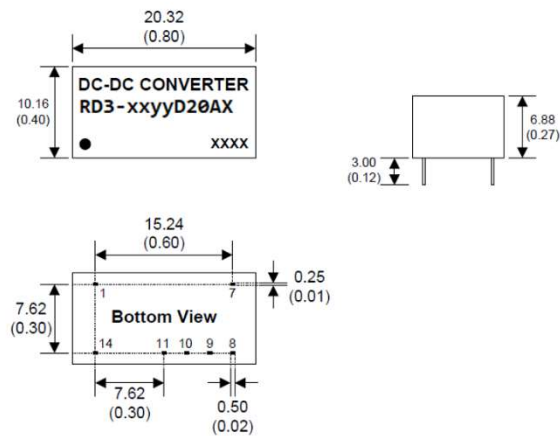
- Notes : All dimensions are typical in millimeters (inches).
- 1. Pin dimension tolerance: ± 0.05 (± 0.002)
 - 2. Pin pitch and length tolerance: ± 0.35 (± 0.014)
 - 3. Pin to case tolerance: ± 0.5 (± 0.02)
 - 4. Case Tolerance: ± 0.5 (± 0.02)

The thickness of the following models is 7.2 mm

	Suffix "1"	Suffix "2"	Suffix "3"	Suffix "4"	Suffix "5"	Suffix "6"
RS3-0305S20AX	X	X	X	X	X	X
RS3-0307S20AX	X	X	X	X	X	X
RS3-0309S20AX	X	X	X	X	X	X
RS3-0312S20AX		X	X	X	X	X
RS3-0315S20AX	X	X	X	X	X	X
RS3-0318S20AX	X	X	X	X	X	X
RS3-0324S20AX	X	X	X	X	X	X
RS3-0505S20AX				X	X	
RS3-1203S20AX						X
RS3-0303D20AX	X	X	X	X	X	X
RS3-0305D20AX	X	X	X	X	X	X
RS3-0307D20AX					X	X
RS3-0507D20AX					X	X
RS3-0515D20AX				X	X	X
RS3-1205D20AX					X	

Mechanical Specifications

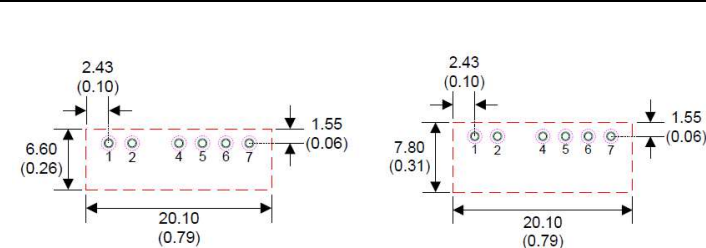
DIL Package



- 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)

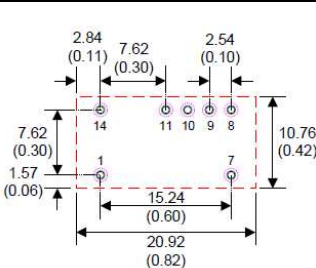
Recommended Footprint Details

SIL Package



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

DIL Package



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