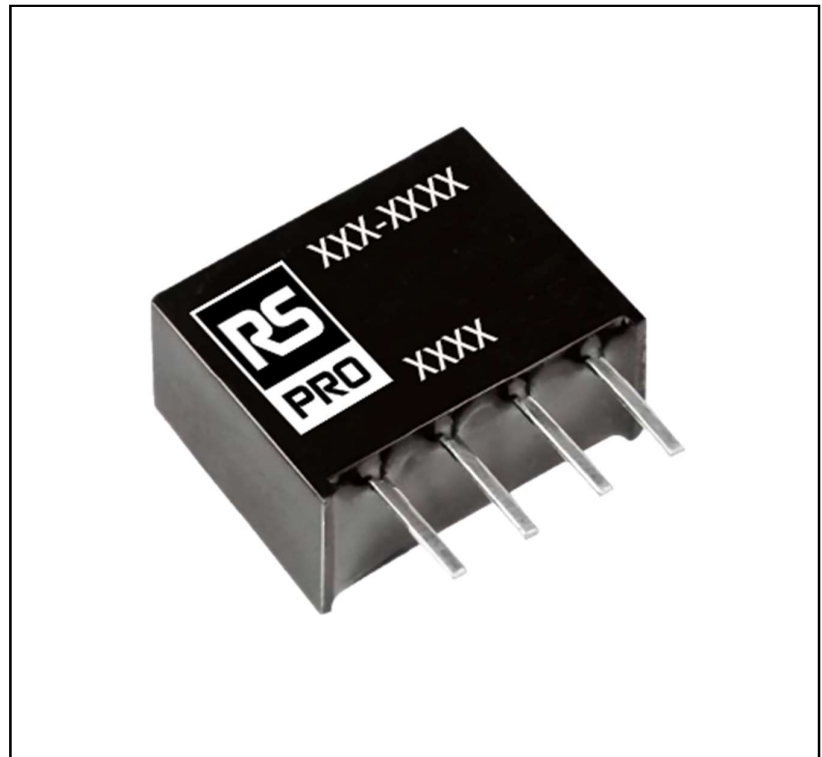


Features

- High power density
- Low ripple noise
- Short circuit protection
- High reliability
- ROHS compliant

RS PRO DC - DC Converter

RS Stock No.: 0633267 0633268 0633269
0633270 0633271 0633272 0633273 0633274
0633275 0633276 0633277 0633279 0633280
0633281



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

- Small volume, high power density
- Wide temperature performance at full 1 watt load: -40 °C ~+85 °C
- International standard SIP package, save PCB installation space
- Typical efficiency up to 89%
- High Reliability (MTTF≥350 ten thousand hours)

Electrical Specifications

RS Stock#	Input Voltage (Vdc)	Output Voltage (Vdc)	Output Current (mA)	Efficiency (Typ)	Maximum capacity load
0633267	5(4.5-5.5)	3.3	303	82%	2200uF
0633268	5(4.5-5.5)	5	200	85%	2200uF
0633269	5(4.5-5.5)	12	83	85%	1000uF
0633270	5(4.5-5.5)	24	42	84%	1000uF
0633271	12(10.8-13.2)	3.3	303	82%	2200uF
0633272	12(10.8-13.2)	5	200	85%	2200uF
0633273	12(10.8-13.2)	12	83	90%	2200uF
0633274	12(10.8-13.2)	24	42	88%	1000uF
0633275	24(21.6-26.4)	3.3	303	82%	3300uF
0633276	24(21.6-26.4)	5	200	85%	2200uF
0633277	24(21.6-26.4)	9	111	87%	2200uF
0633279	24(21.6-26.4)	12	83	87%	2200uF
0633280	24(21.6-26.4)	15	67	87%	1000uF
0633281	24(21.6-26.4)	24	42	88%	1000uF

General Specifications

Output Voltage	DC 3V;.5V;12V;15V;24V
Input Voltage Range	DC 3.3V(3.0-3.6);5V(4.5-5.5V);12V(10.8-13.2);15V(13.5-16.5);24V(21.6-26.4)
Power Rating	1W
Input Voltage Nominal	3.3V;5V;9V;12V;15V;24V;
Output Current	See Electrical Specifications
Mounting Type	SIP
Isolated	Yes
Number of Outputs	1
Output Voltage Adjustment Range	nonsupport
Package	Plastic pipe installation
Isolation Voltage	1500Vdc 1Min
Width	11.6mm
Depth	10mm
Length	6mm
Railway Approved	No
Load Regulation	15% Max
Medical Approved	No
Efficiency	81%-90%

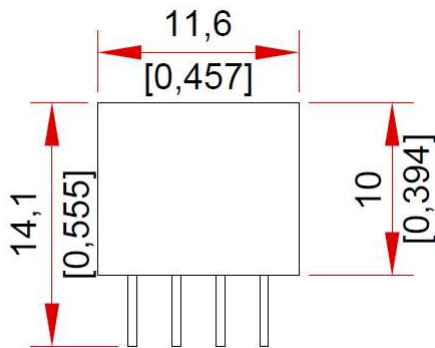
Operation Environment Specifications

Maximum Operating Temperature	85°C
Minimum Operating Temperature	-40°C

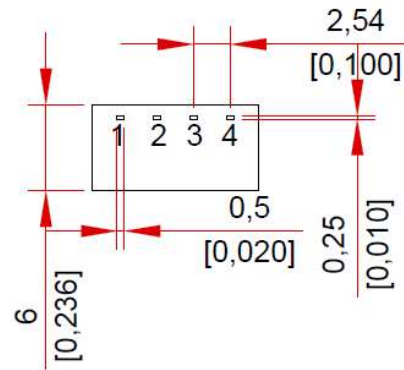
Approvals

Compliance/Certifications	CE
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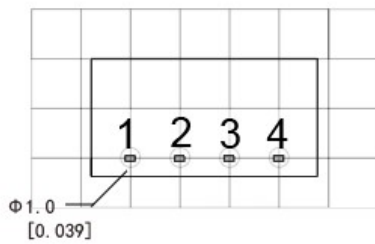
Interview Diagram



Bottom attempting



Recommended PCB size diagram



Pin definition

Pin	Single
1	GND
2	+Vin
3	0V
4	+Vo