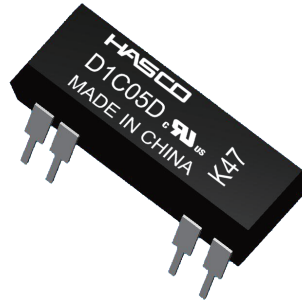
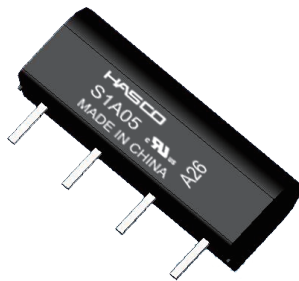


SIP/DIP SERIES



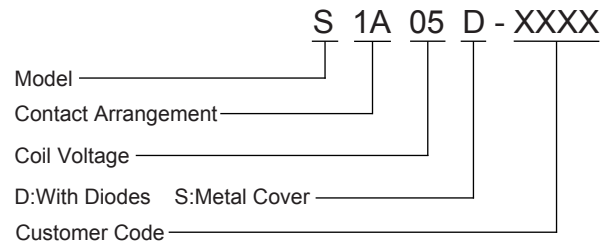
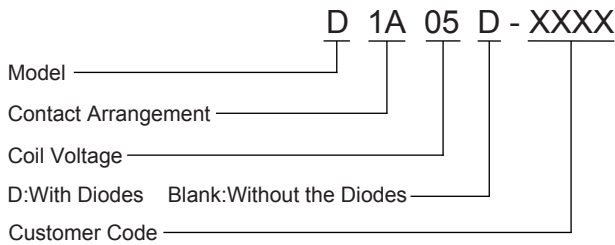
File No.:E75887



FEATURES

- Molded epoxy body
- FCC Part 68

ORDERING INFORMATION



COIL DATA

at 25°C

DIP Specifications

Contact Form	Part Number	Nominal Voltage (VDC)	Coil Resistance ±10%	Must Operate (VDC)	Must Release (VDC)	Rated Current (mA)	Continuous Voltage (max)	Circuit Schematic
1A SPST-NO	D1A05(D)	5	500	3.75	1.0	10	10	
	D1A12(D)	12	1000	9.00	1.2	12	20	
	D1A24(D)	24	2150	18.00	2.4	11.1	28	
1B SPST-NC	D1B05(D)	5	500	3.75	1.0	10	7	
	D1B12(D)	12	1000	9.00	1.2	12	15	
	D1B24(D)	24	2150	18.00	2.4	11.1	28	
2A DPST-NO	D2A05(D)	5	140	3.75	1.0	35.7	10	
	D2A12(D)	12	500	9.00	1.2	24	20	
	D2A24(D)	24	2150	18.00	2.4	11.1	28	
1C SPDT-CO	D1C05(D)	5	200	3.75	1.0	25	10	
	D1C12(D)	12	500	9.00	1.2	24	20	
	D1C24(D)	24	2150	18.00	2.4	11.1	28	

SIP Specifications

Contact Form	Part Number	Nominal Voltage (VDC)	Coil Resistance ±10%	Must Operate (VDC)	Must Release (VDC)	Rated Current (mA)	Continuous Voltage (max)	Circuit Schematic
1A SPST-NO	S1A05(D)	5	500	3.75	1.0	10	10	
	S1A12(D)	12	1000	9.00	1.2	12	20	
	S1A24(D)	24	2000	18.00	2.4	12	28	

*Form B SIP Available

This datasheet is for customers' reference. All the specifications are subject to change without notice.



RELAYS

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SIP/DIP SERIES

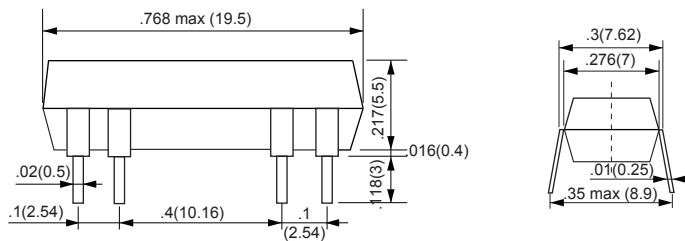
CHARACTERISTICS

Item	Contact Form	2A,1A,1B	1C
Contact Resistance		100mΩ max. (Initial)	150mΩ max. (Initial)
Operate Time(Max.)		0.5ms	1.0ms
Bounce Time(Max.)		0.5ms	2.0ms
Release Time(Max.)		0.2ms	0.2ms
Insulation Resistance(Min.)		10 ¹¹ Ω	10 ¹¹ Ω
Contact Material		Precious Metals	Precious Metals
Power(Max.)		10VA	3VA
Switching Voltage(Max.)		200VDC	100VDC
Switching Current(Max.)		0.5A	0.25A
Carry Current(Max.)		1.0A	0.5A
Life Expectancy		10 ⁸ (Signal level)	5×10 ⁷ (Signal level)
Breakdown Voltage		DC250V across open contact	DC200V across open contact
		DC500V between coil and contact	DC500V between coil and contact
Storage Condition		-40°C ~ +85°C	-40°C ~ +85°C
Operating Condition		-40°C ~ +70°C	-40°C ~ +70°C
UL Class B/F		Insulation System Class B/F	Insulation System Class B/F
Minimum Permissible Load		100mVDC 10μA	100mVDC 10μA
Vibration		20g(10 ~ 2000Hz)	20g(10 ~ 2000Hz)
Resonant Frequency		3.5 KHz	3.5 KHz

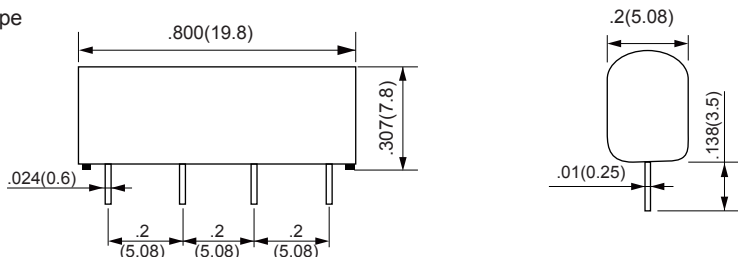
OUTLINE DIMENSIONS

Unit: inch(mm)

DIP Type



SIP Type



Remark: 1) In case of no tolerance shown in outline dimension: outline dimension ≤1mm, tolerance should be ±0.2mm; outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.

2) The tolerance without indicating for PCB layout is always ±0.1mm.

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SIP/DIP SERIES

PACKAGING SPECIFICATION

TUBE	OUTER CARTON	OUTER CARTON SIZE
25PCS	5000PCS	L540mm*W200mm*H165mm

APPLICATION GUIDELINES

Automatic Wave Soldering

- * Wave solder is the optimum method for soldering.
- * Adjust the level of solder so that it does not overflow onto the top of the PC board.
- * Unless otherwise specified, solder under the following conditions depending on the type of relay.

Preheat time 20°C-100°C	Rising slope 20°C-120°C	Decreasing slope Peak-150°C	Soldering temperature 255°C-265°C
90±5 seconds	<3°C/s	<4°C/s	3~5s

Hand Soldering

- * Keep the tip of the soldering iron clean.

Solder Iron	30W or 60W
Iron Tip Temperature	Approx. 350°C 662°F
Solder Time	Within approx. 3 seconds

- * Immediate air cooling is recommended to prevent deterioration of the relay and surrounding parts due to soldering heat.
- * Although the sealed type relay can be cleaned, avoid immersing the relay into cold liquid (such as washing solvent) immediately after soldering. Doing so may deteriorate the sealing performance.

Discard the dropped product

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