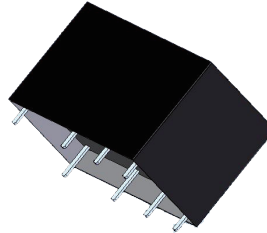
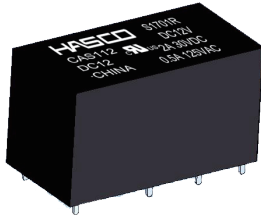




File No.:E75887



FEATURES

- Sensitive type and standard type are available
- Fully Sealed

CONTACT RATINGS

Contact Arrangement	2C
Contact Resistance	≤100mΩ(100mA 6VDC)
Contact Material	Silver Alloy, Gold FLash
Contact Rating(Resistive)	2A/30VDC, 2.5A/12VDC 0.5A/125VAC, 0.6A/120VAC
Minimum Load	1mA/10mV(Reference Value)
Max. Switching Voltage	240VAC/120VDC
Max. Switching Current	2A
Max. Switching Power	72VA/60W
Mechanical Life	1×10 ⁸ operations
Electrical Life	See more details at "safety approval ratings"

CHARACTERISTICS

Insulation Resistance		1000MΩ (at 500VDC)
Dielectric Strength	Between coil & contacts	1000VAC 1min
	Between open contacts	1000VAC 1min
Operate time (at nomi. volt.)		≤7ms
Release time (at nomi. volt.)		≤5ms
Humidity		98% RH
Operation temperature		-40°C~+85°C
UL Class B		Insulation System Class B
Shock Resistance	Functional	100m/s ²
	Destructive	980m/s ²
Vibration resistance		10Hz ~ 55Hz 1.5mm DA
Unit weight		Approx. 5g
Construction		Sealed Type

Notes:1) The data shown above are initial values.

2) Please find coil temperature curve in the characteristic curves.

ORDERING INFORMATION

CAS112/CS212 DC12 - XXXX

Model: _____

CAS112=Standard type

CS212=Sensitive type

Coil Voltage _____

Customer Code _____

COIL DATA

at 25°C

Standard Type

Nominal Voltage VDC	Operate Voltage (Max.) VDC	Release Voltage (Min.) VDC	*Max. Allowable Voltage VDC	Coil Resistance Ω±10%
5	3.75	0.25	7.0	45
6	4.50	0.30	8.4	66
9	6.75	0.45	12.3	140
12	9.00	0.60	17.4	280
24	18.00	1.20	34.0	1070
48	36.00	2.40	64.9	3900

Sensitive Type

Nominal Voltage VDC	Operate Voltage (Max.) VDC	Release Voltage (Min.) VDC	*Max. Allowable Voltage VDC	Coil Resistance Ω±10%
5	3.75	0.25	12.5	167
6	4.50	0.30	15.0	240
9	6.75	0.45	22.5	540
12	9.00	0.60	30.0	960
18	13.50	0.90	40.0	1620
24	18.00	1.20	52.9	2880
48	36.00	2.40	84.9	7680

Note:***Max Allowable Voltage*: The relay coil can endure max allowable voltage for a short period time only.

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



RELAYS & ELECTRONICS INT'L. CORP.

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RELAYS

CAS/CS SERIES

SIGNAL RELAY

COIL

Coil Power	Standard Type: 500mW ~ 590mW
	Sensitive Type: 150mW ~ 300mW

SAFETY APPROVAL RATINGS

UL&CUL	N.O./N.C.: 2A 30VDC, 6×10 ³ OPS
	N.O./N.C.: 2.5A 12VDC, 6×10 ³ OPS
	N.O./N.C.: 0.5A 125VAC, G.P., 6×10 ³ OPS
	N.O./N.C.: 0.6A 120VAC, G.P., 6×10 ³ OPS

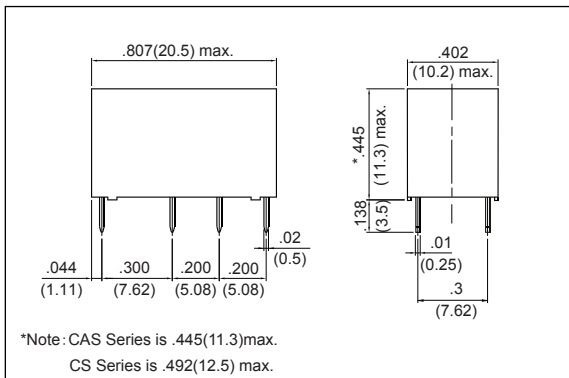
NOTES:

1. All values without specified temperature are at 25°C.
2. The above lists the typical loads only. Other loads may be available upon request.

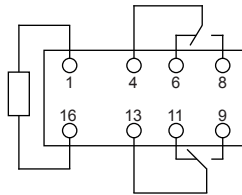
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT.

Unit: inch(mm)

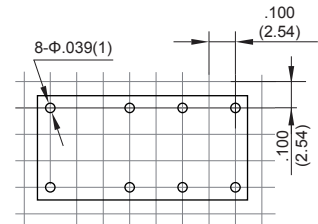
Outline Dimensions



Wiring Diagram (Bottom view)



PCB Layout (Bottom view)



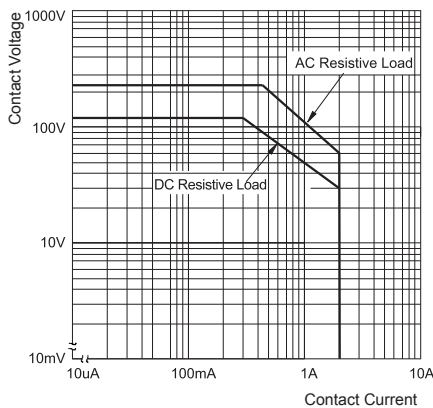
Unless otherwise specified tolerances are:

≤1mm	> 1mm and ≤5mm	>5mm
±0.2mm	±0.3mm	±0.4mm

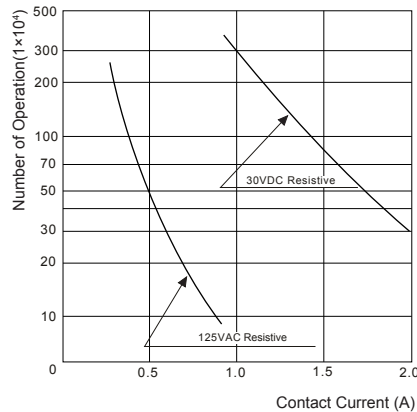
* The tolerance without indicating for PCB layout is always ±0.1mm.

CHARACTERISTIC CURVES

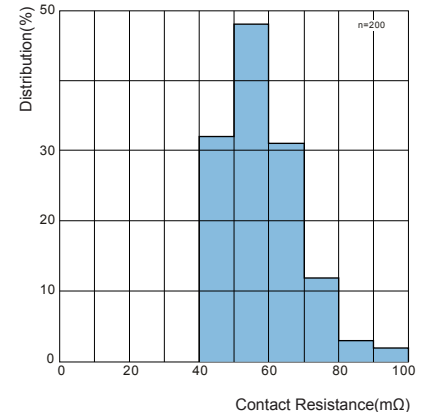
MAXIMUM SWITCHING POWER



LIFE CURVE



CONTACT RESISTANCE



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PACKAGING SPECIFICATION

PAPER BOX	OUTER CARTON	OUTER CARTON SIZE
1000PCS	4000PCS	L495mm*W315mm*H245mm

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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