



File No.:E75887



FEATURES

- Sensitive type and standard type are available
- Fully Sealed

CONTACT RATINGS

Contact Arrangement	2C
Contact Resistance	50mΩ(0.1A 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	150VAC/125VDC
Max. Switching Current	2A
Max. Switching Power	75VA/60W
Mechanical Life	1×10 ⁸ operations
Electrical Life	1×10 ⁵ operations

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, 40°C	
Ambient temperature	-25°C ~ +85°C	
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 curved below.

ORDERING INFORMATION

CAS112/CS212 DC12 - XXXX

Model: _____
 CAS112=Standard type
 CS212=Sensitive type

Coil Voltage _____

Customer code _____

COIL DATA

at 20°C

Standard Type

Nominal Voltage VDC	Pick-up Voltage (Max.) VDC	Drop-out Voltage (Min.) VDC	Max. Allowable Voltage VDC	Coil Resistance Ω±10%
5	3.5	0.5	7.0	45
6	4.2	0.6	8.4	66
9	6.3	0.9	12.3	140
12	8.4	1.2	17.4	280
24	16.8	2.4	34.0	1070
48	33.6	4.8	64.9	3900

Sensitive Type

Nominal Voltage VDC	Pick-up Voltage (Max.) VDC	Drop-out Voltage (Min.) VDC	Max. Allowable Voltage VDC	Coil Resistance Ω±10%
5	3.5	0.25	12.5	167
6	4.2	0.30	15.0	240
9	6.3	0.45	22.5	540
12	8.4	0.60	30.0	960
18	12.6	0.90	40.0	1620
24	16.8	1.20	52.9	2880
48	33.6	2.40	84.9	7680

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



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RELAYS

CAS/CS SERIES

DPDT

2 Amp

COIL

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

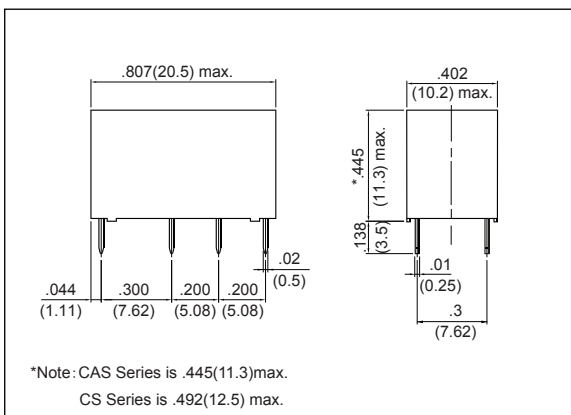
SAFETY APPROVAL RATINGS

UL&CUL	2A/30VDC, 0.6A/125VAC
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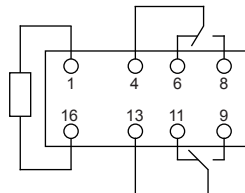
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT.

Unit: inch(mm)

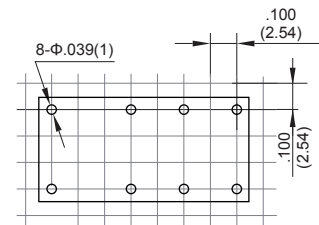
Outline Dimensions



Wiring Diagram (Bottom view)

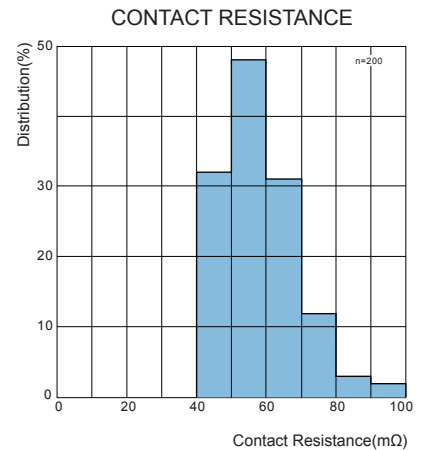
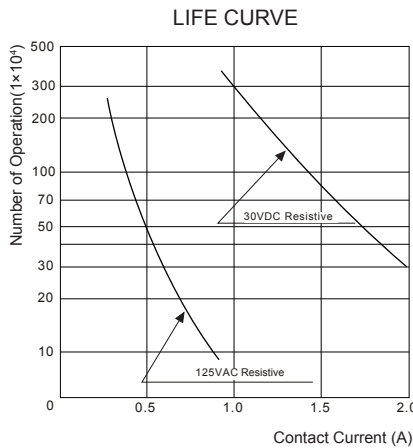
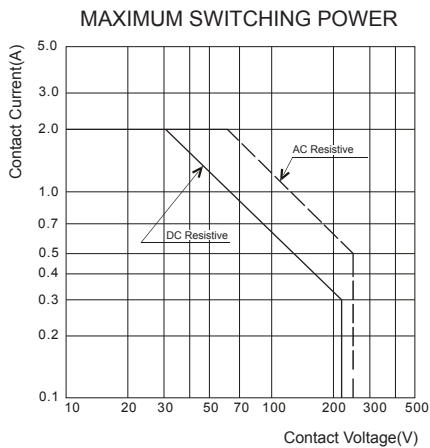


PCB Layout (Bottom view)



Remark: 1) In case of no tolerance shown in outline dimension: outline dimension $\leq 1\text{mm}$, tolerance should be $\pm 0.2\text{mm}$; outline dimension $> 1\text{mm}$ and $\leq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$; outline dimension $> 5\text{mm}$, tolerance should be $\pm 0.4\text{mm}$.
 2) The tolerance without indicating for PCB layout is always $\pm 0.1\text{mm}$.

CHARACTERISTIC CURVES



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RELAYS

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