

KSD205 SERIES

DPDT

6 Amp



File No.:E75887



FEATURES

- Miniature Two Pole Relay
- High Reliability
- 6 Amp Switching
- Fully Sealed
- Low Cost

CONTACT RATINGS

Contact Arrangement	2C
Contact Resistance	50m Ω (1A 24VDC)
Contact Material	Silver Alloy
Contact Rating(Resistive)	5A/30VDC, 6A/240VAC
Max. Switching Voltage	250VAC/125VDC
Max. Switching Current	6A
Max. Switching Power	1440VA/150W
Mechanical Life	1 \times 10 ⁷ operations
Electrical Life	1 \times 10 ⁵ operations

ORDERING INFORMATION

Model KSD205 DC12V - XXXX

Coil Voltage:
5, 6, 9, 12, 24VDC

Customer code

CHARACTERISTICS

Insulation Resistance		100M Ω (500VDC)
Dielectric Strength	Between coil & contacts	1500VAC 1min
	Between open contacts	750VAC 1min
Operate time (at nomi. volt.)		\leq 10ms
Release time (at nomi. volt.)		\leq 5ms
Humidity		40 ~ 85% RH
Ambient temperature		-25°C ~ +60°C
Shock Resistance	Functional	98m/s ²
	Destructive	980m/s ²
Vibration resistance		10Hz ~ 55Hz 1.5mm DA
Unit weight		Approx. 12g
Construction		Sealed Type

COIL DATA

at 20°C

Nominal Voltage VDC	Pick-up Voltage (Max.) VDC	Drop-out Voltage (Min.) VDC	Max. Allowable Voltage VDC	Coil Resistance $\Omega \pm 10\%$
3	2.1	0.3	4.5	15
5	3.5	0.5	7.5	42
6	4.2	0.6	9.0	60
9	6.3	0.9	13.5	135
12	8.4	1.2	18.0	240
24	16.8	2.4	36.0	960

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

2) Please find coil temperature curve in the characteristic curved below.

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



RELAYS

Lake-View Electronics Corp. 1054 Pioneer Rd. Grafton, WI Ph: 262-377-8250 Fax: 262-375-0109

www.lvelectronics.com

Email: sales@lvelectronics.com

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COIL

Coil Power	600mW
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SAFETY APPROVAL RATINGS

UL&CUL	6A/240VAC 5A/30VDC
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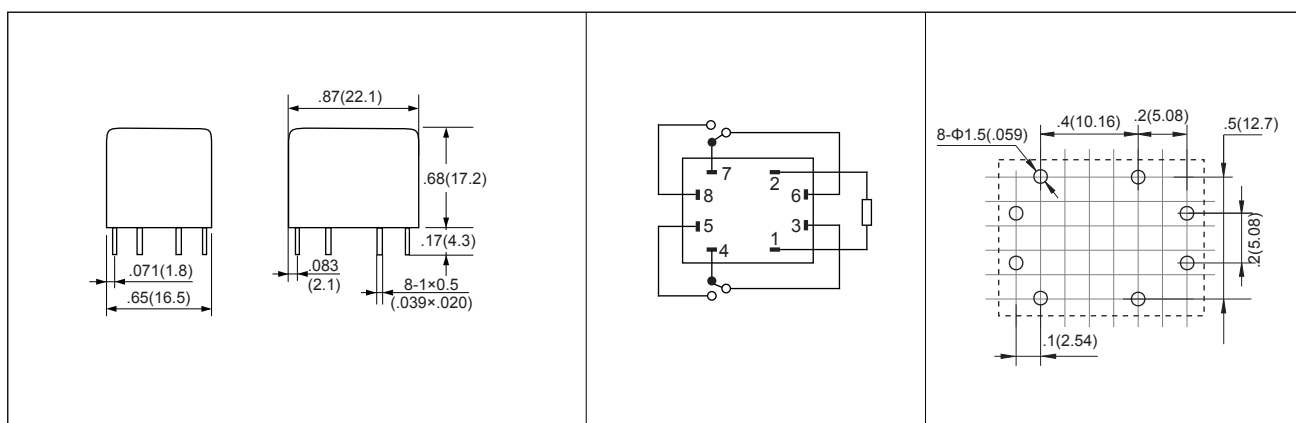
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT.

Unit: inch(mm)

Outline Dimensions

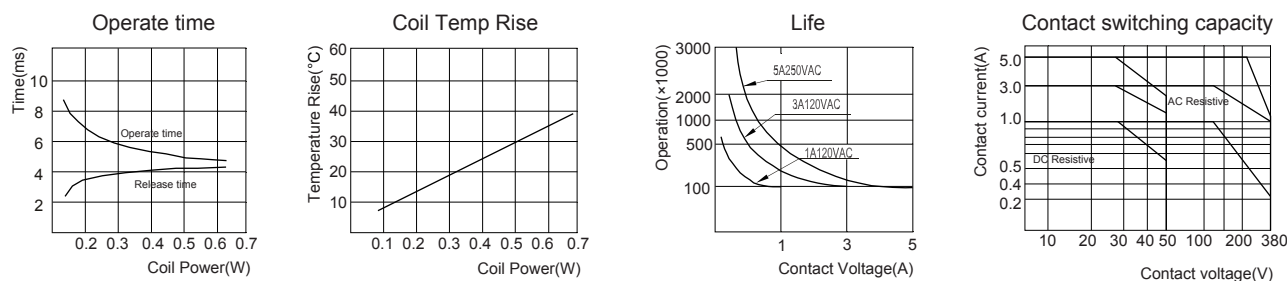
Wiring Diagram
(Bottom view)

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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