



RoHS Compliant

J099

E197851

18.4 x 15.0 x 10.3 mm

Features

- High sensitivity
- Super light weight
- Switching current up to 12A
- PC board mounting

Contact Data

Contact Arrangement	1A = SPST N.O.	Contact Resistance	< 50 milliohms initial
Contact Rating	10A @ 277VAC 10A @ 30VDC 12A @ 125VAC	Contact Material	AgSnO ₂
		Maximum Switching Power	300W
		Maximum Switching Voltage	300VAC, 100VDC
		Maximum Switching Current	12A

Coil Data

Coil Voltage VDC		Coil Resistance Ω +/- 10%	Pick Up Voltage VDC (max) 75% of rated voltage	Release Volt- age VDC (min) 10% of rated voltage	Coil Power W	Operate Time ms	Release Time ms
Rated	Max						
3	3.9	20	2.25	.3	.45	8	5
5	6.5	56	3.75	.5			
6	7.8	80	4.50	.6			
9	11.7	180	6.75	.9			
12	15.6	320	9.00	1.2			
18	23.4	720	13.50	1.8			
24	31.2	1280	18.00	2.4			

General Data

Electrical Life @ rated load	100K cycles, typical
Mechanical Life	10M cycles, typical
Insulation Resistance	100M Ω min. @ 500VDC
Dielectric Strength, Coil to Contact Contact to Contact	2500V rms min. @ sea level 1000V rms min. @ sea level
Shock Resistance	100m/s ² for 11 ms
Vibration Resistance	1.50mm double amplitude 10~40Hz
Terminal (Copper Alloy) Strength	5N
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +155°C
Solderability	260°C for 5 s
Weight	7g

Caution

1. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

Specifications and availability subject to change without notice.

Dimensions shown in mm. Dimensions are shown for reference purposes only.

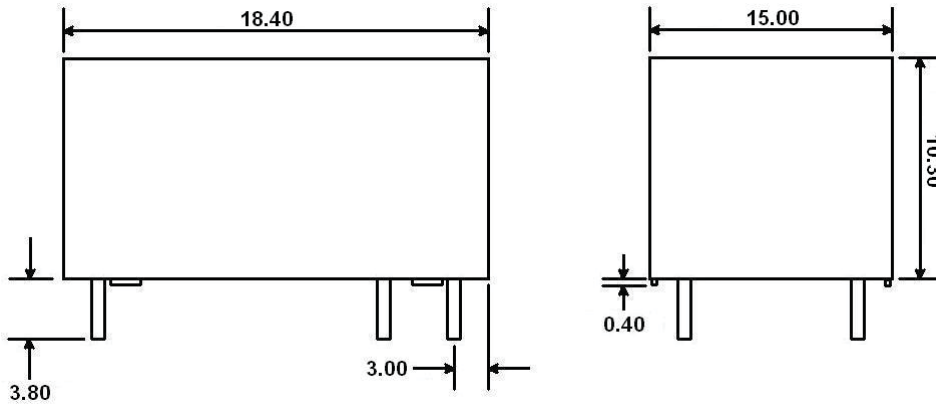
J099

Ordering Information

1. Series	J099	1A	S	12VDC	.45
J099					
2. Contact Arrangement					
1A = SPST N.O.					
3. Sealing Options					
S = Sealed					
4. Coil Voltage					
3VDC					
5VDC					
6VDC					
9VDC					
12VDC					
18VDC					
24VDC					
5. Coil Power					
.45 = .45W					

Dimensions

Units = mm



Schematics & PC Layouts

Bottom Views

