CIT RELAY

FEATURES:

- Switching capacity up to 10A
- Small size and light weight
- Low coil power consumption
- High contact load
- Strong resistance to shock and vibration



WJ105

18.2 x 10.6 x 14.7 mm

CONTACT DATA

Contact Arrangement	1A = SPST N.O		
_	1C = SPDT		
Contact Rating	5A @ 250VAC		
_	10A @ 125VAC Resistive		
	¼ hp, 250VAC		
	TV-5, 120VAC		
Contact Resistance	< 50 milliohms initial		
Contact Material	AgCdO		
Maximum Switching Power	150W 1250VA		
Maximum Switching Voltage	277VAC, 30VDC		
Maximum Switching Current	10A		

COIL DATA

Contact Hoolotaneo		00 11111110111110							
Contact Material			AgCdO						
Maximum Switching Power 150W 1250VA									
Maximum Switching Voltage 277VAC, 30			277VAC, 30VDC			3,35	/10		
Maximu	Maximum Switching Current 1			10A 3 4 - 1					
	2 1 2 C								
Maximum Switching Power 150W 1250VA Maximum Switching Voltage 277VAC, 30VDC Maximum Switching Current 10A COIL DATA Coil Voltage Coil Resistance Pick Up Voltage Release Voltage Coil Power Operate Time Release Time									
Coil Vo	oltage	Coil Res	istance				Coil Power	Operate Time	Release Time
VDC $\Omega \pm 10\%$		10%	VDC (max)	VDC (m	iin) 🦠	W	ms	ms	
		75% 10%							
Rated	Max.	.20W	.45W	of rated voltage	of rated vo	ltage			
3	3.9	45	20	2.25	0.3				
5	6.5	125	55	3.75	0.5				
6	7.8	180	80	4.50	0.6				
9	11.7	400	180	6.75	0.9		.20	10	10
12	15.6	720	320	9.00	1.2		.45		
24	31.2	2800	1280	18.00	2.4				
48	62.4	11520	5120	36.00	4.8	·			

CAUTION:

- 1. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.
- 2. Pickup and release voltages are for test purposes only and are not to be used as design criteria.

GENERAL DATA

OLINAL DATA	
Electrical Life @ rated load	100K cycles, typical
Mechanical Life	10M cycles, typical
Insulation Resistance	100MΩ min @ 500VDC
Dielectric Strength, Coil to Contact	300V rms min. @ sea level
Contact to Contact	750V rms min. @ sea level
Shock Resistance	100m/s ² for 11ms
Vibration Resistance	1.50mm double amplitude 10-40Hz
Terminal (Copper Alloy) Strength	10N
Operating Temperature	-40 °C to + 85 °C
Storage Temperature	-40 °C to + 155 °C
Solderability	230 °C ± 2 °C for 10 ± 0.5s
Weight	9.5g

CIT RELAY Website: www.citrelay.com Tel: 763-535-2339 Fax: 763-535-2194

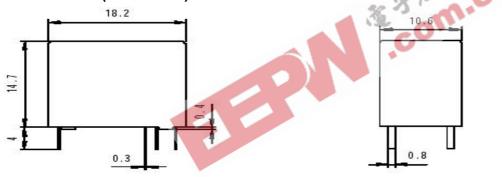
WJ105

CIT RELAYTM

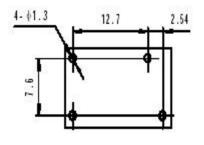
ORDERING INFORMATION

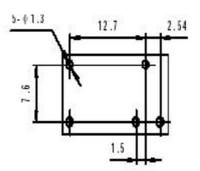
ORDERING INFORMATION								
1. Series:	WJ105	1C	S	10	12VDC	.45		
WJ105								
2. Contact Arrangement: 1A = SPST N.O. 1C = SPDT (.45W coil only)								
3. Sealing Options: S = Sealed C = Dust Cover								
4. Current Rating: 10 = 10A								
5. Coil Voltage: 3VDC 5VDC 6VDC 9VDC 12VDC 24VDC 48VDC								
6. Coil Power: .20 = .20W .45 = .45W					. 9	,		

DIMENSIONS (Unit = mm)



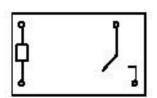
PCB Layout

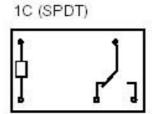




Schematics

1A (SPST-NO)





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