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





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
	1/4 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 Resistance		< 50 Hilliothitis Itiliai							
Contact Material AgCdO									
Maximum Switching Power 150W 1250VA			150W 1250VA			No.			
Maximu	Maximum Switching Voltage 277			277VAC, 30VDC			3,15	/10	
Maximu	Maximum Switching Current 10A			10A			3 3º	-17	
	472								
Maximum Switching Power 150W 1250VA Maximum Switching Voltage 277VAC, 30VDC Maximum Switching Current 10A COIL DATA Coil Voltage Coil Resistance Rick Un Voltage Release Voltage Coil Rower Operate Time Release Time									
Coil V	oltage	Coil Res	sistance	Pick Up Voltage	Release Vo	ltage /	Coil Power	Operate Time	Release Time
VE	VDC $\Omega \pm 10\%$		VDC (max)	VDC (mi	in) 🦠	W	ms	ms	
			75% 10%						
Rated	Max.	.20W	.45W	of rated voltage	of rated vo	Itage			
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

OFINEIVAE 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

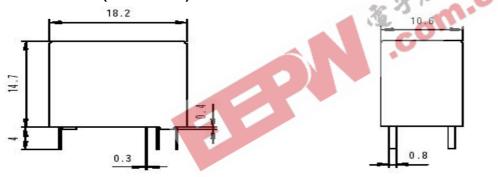
WJ105

CIT RELAY

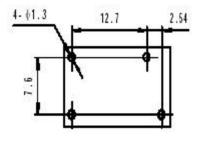
ORDERING INFORMATION

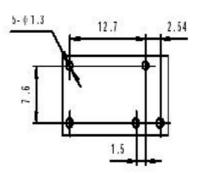
ONDERING INI ORMATIC						
1. Series:	WJ105	1C	S	10	12VDC	.45
WJ105						
2. Contact Arrangement: 1A = SPST N.O. 1C = SPDT (.45W coil only)						
3. Sealing Options: S = Sealed C = Dust Cover						
4. Current Rating: 10 = 10A						
5. Coil Voltage: 3VDC 5VDC 6VDC 9VDC 12VDC 24VDC 48VDC						
6. Coil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

DIMENSIONS (Unit = mm)



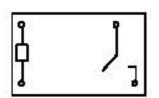
PCB Layout

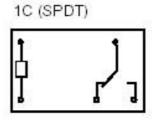




Schematics

1A (SPST-NO)





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