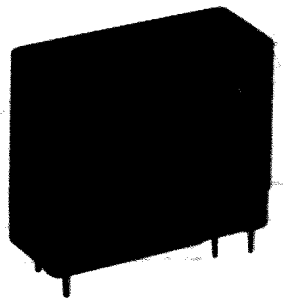
AZ 725 MINIATURE POWER RELAY

Features

- 5,000Vrms Dielectric Strength
- 16 Amp Switching - Single Pole Contacts
- Isolation Spacing Greater Than 8mm
- Molded Materials - All 94V-0
- UL File E44211
- CSA File LR 700496
- VDE 6010



Specifications

Contacts

Arrangement	SPDT (1 Form C) & SPST (1 Form A)
Rating	Noninductive load Max switched power: 384W or 4,000VA Max switched current: 16A Max switched voltage: 150*VDC or 400VAC
UL, CSA Rating	16A @ 250VAC resistive **Note: If switching voltage is greater than 30VDC, special precautions must be taken.*
Min Load	5VDC @ 0.1A
Material	Silver Cadmium Oxide
Resistance	30 milliohms initially

Coil

Power at Pickup Voltage	270mW (typical)
Max Continuous Dissipation	1.8W @ 20C (68F) ambient 1.5W @ 40C (104F) ambient
Temperature Rise	34C (93F) at nominal coil voltage
Temperature	130C (266F) Maximum

General Data

Life Expectancy Mechanical Electrical	Minimum operations 20,000,000 100,000 at rated load
Operate Time	7ms at nominal coil voltage (typical)
Release Time (typical)	3ms at nominal coil voltage with no coil suppression
Dielectric Strength	5,000Vrms coil to contact (at sea level)
Insulation Resistance	1,000 megohms min @ 20C (68F), 500VDC, 50% RH
Dropout	> 10% of nominal coil voltage
Ambient Temp (operating) (storage)	At nominal coil voltage -40C (-40F) to 85C (185F) -40C (-40F) to 130C (266F)
Vibration	0.062" DA @ 10-55 Hz
Shock	10g
Enclosure	P.B.T. Polyester
Terminals	Tinned copper alloy
Max Solder Temp	270C (518F)
Max Solder Time	5 seconds
Weight	19 grams

Notes

1 All values at 20C (68F) unless otherwise indicated
2 Relay will pull in with less than "Must Operate" value
3 Specifications are subject to change without notice

Relay Ordering Data

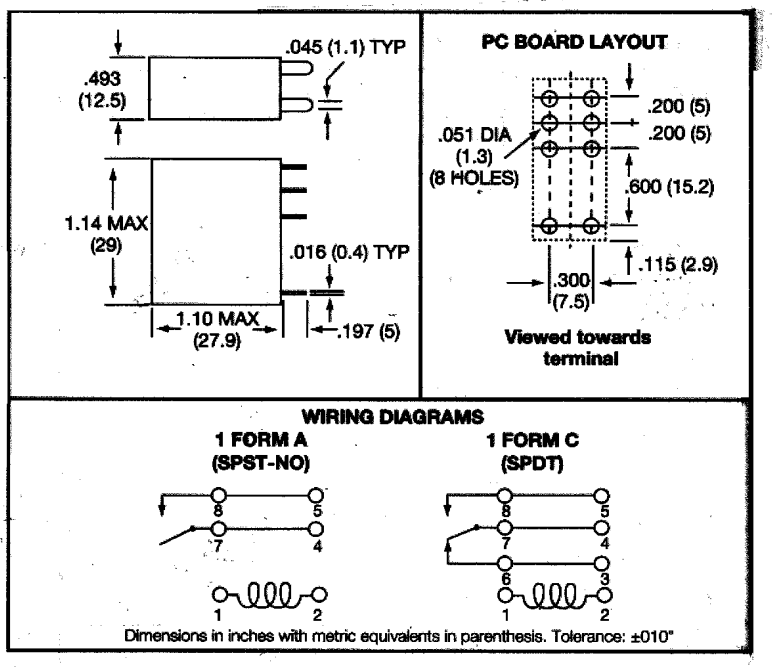
Form A (SPST)

Coil Specifications					ORDER NUMBER
Coil VDC nominal	Max VDC continuous	Coil Resistance	Must Operate VDC	Current mA nominal	
5	7.5	49	3.5	102	AZ 725-1A-5D
6	9	68	4.2	88.2	AZ 725-1A-6D
12	18	260	8.4	46.2	AZ 725-1A-12D
24	36	1,100	16.8	21.8	AZ 725-1A-24D
48	72	4,400	33.6	10.9	AZ 725-1A-48D
60	90	7,000	42.0	8.6	AZ 725-1A-60D

Form C (SPDT)

Coil Specifications					ORDER NUMBER
Coil VDC nominal	Max VDC continuous	Coil Resistance	Must Operate VDC	Current mA nominal	
5	7.5	49	3.5	102	AZ 725-1C-5D
6	9	68	4.2	88.2	AZ 725-1C-6D
12	18	260	8.4	46.2	AZ 725-1C-12D
24	36	1,100	16.8	21.8	AZ 725-1C-24D
48	72	4,400	33.6	10.9	AZ 725-1C-48D
60	90	7,000	42.0	8.6	AZ 725-1C-60D

Mechanical Dimensions



Dimensions in inches with metric equivalents in parentheses. Tolerance is 0.010"

Toll Free 1-800-526-5376 • 201-337-1000 • Fax 201-337-1862