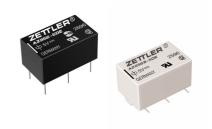
# MICROMINIATURE POLARIZED RELAY

#### **FEATURES**

- Microminiature size: up to 50% less board area than previous generation telecom relays
- Meets FCC Part 68.302 1500 V lightning surge
- Low power consumption: 36 mW pickup
- Stable contact resistance for low level signal switching
- · Epoxy sealed
- UL, CUR file E43203
- All plastics meet UL94 V-O, 30 min. oxygen index



#### **CONTACTS**

Arrangement	SPDT (1 Form C) Bifurcated crossbar contacts				
Ratings	Resistive load:  Max. switched power: 30 W or 60 VA  Max. switched current: 1.0 A  Max. switched voltage: 150 VDC or 125 VAC				
Rated Load UL, CUR	0.5 A at 120 VAC 1.0 A at 30 VDC				
Material	Palladium nickel with gold-rhodium overlay				
Resistance	< 50 milliohms initally (6 V, 10 mA method)				

#### COIL (Polarized)

Power At Pickup Voltage (typical) Max. Continuous Dissipation	36 mW 0.5 W at 20°C (68°F)
Temperature Rise	At nominal coil voltage 8°C (15°F)
Temperature	Max. 105°C (221°F)

#### **NOTES**

- 1. All values at 20°C (68°F).
- 2. Relay may pull in with less than "Must Operate" value.
- 3. Relay has fixed coil polarity.
- 4. Specifications subject to change without notice.

#### **GENERAL DATA**

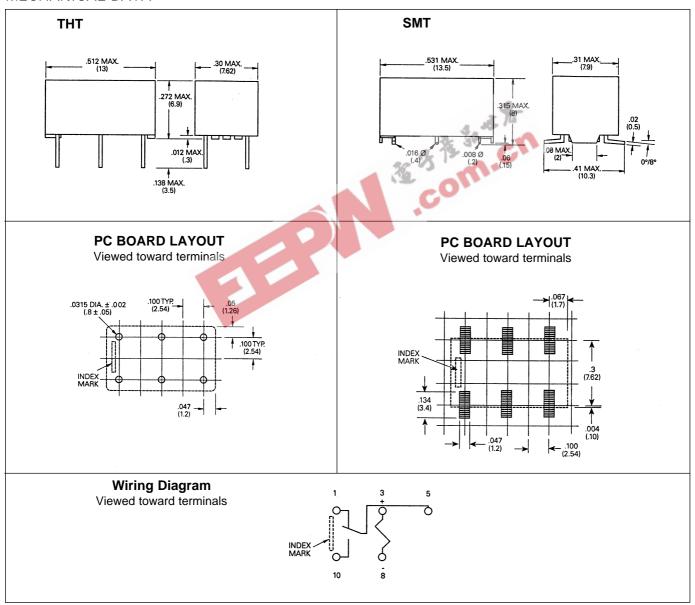
(typical)	1 ms at nominal coil voltage				
	0.4 ms at nominal coil voltage (with no coil suppression)				
	At 10 mA contact current 1 ms at operate or release				
- 10110 0 111 0 111 0 111 0 111 0 111	1500 Vrms contact to coil 500 Vrms between open contacts				
Dropout	Greater than 10% of nominal coil voltage				
	109 ohms min. at 25°C, 500 VDC, 50% RH				
Operating -	At nominal coil voltage -40°C (-40°F) to 70°C (158°F) -40°C (-40°F) to 105°C (221°F)				
Vibration	Operational, 40 g, 10–200 Hz				
	Operational, 50 g min., 11 ms Non-destructive, 150 g min., 11 ms				
Temp./Time	Vapor phase: 215°C, 40 Sec. Infrared: 215°C, 40 Sec. Double wave: 260°C, 10 Sec.				
Max. Solvent Temp.	80°C (176°F)				
Max. Immersion Time 3	30 seconds				
Weight 1	1.8 grams				
Enclosure F	P.B.T. polyester				
Terminals	Tinned copper alloy, P.C.				

## AZ956\_

#### RELAY ORDERING DATA

STANDARD RELAYS						Order Number	
Nominal Coil	Max. Continuous VDC		Coil Resistance ± 10%		Must Operate	тнт	SMT
VDC	THT	SMT	THT	SMT	VDC	Through Hole	OWI
1.5	4.5	4.0	36	28	1.13	AZ956-1.5DE	AZ956S-1.5DE
3	8.8	8.0	137	113	2.25	AZ956-3DE	AZ956S-3DE
5	14.5	13.3	370	313	3.75	AZ956-5DE	AZ956S-5DE
9	25.5	23.9	1,165	1,013	6.75	AZ956-9DE	AZ956S-9DE
12	35.0	35.0	2,250	1,800	9.00	AZ956-12DE	AZ956S-12DE
15	42.0	42.0	3,100	2,813	11.30	AZ956-15DE	AZ956S-15DE
24	50.0	50.0	4,500	4,500	18.00	AZ956-24DE	AZ956S-24DE

#### MECHANICAL DATA



Dimensions in inches with metric equivalents in parentheses. Tolerance:  $\pm$  .010"

### ZETTLER electronics GmbH