AZ935_

20 AMP MINIATURE DUAL AUTOMOTIVE RELAY – QUIET

FEATURES

- Extremely silent operation
- Up to 20 Amp switching capability in a compact size
- Two separate relays in one package
- Vibration and shock resistant
- ISO/TS 16949, ISO 14000
- Tested in accordance with SAE J2544
- Cost effective
- Designed for power windows, power seats and wiper applications



CONTACTS

Arrangement	DPDT (2x1-Form C)		
Ratings	Max. switched power: 280 W Max. switched voltage: 100 VDC Max. switched current (make/break),		
	2 Form C: 25A/20A, 20A		
Material	Silver tin oxide (silver nickel available - contact factory)		
Resistance	< 100 milliohms at 1A, 5 VDC		

COIL

Power		
At Pickup Voltage (typical)	203 mW	
Max. Continuous Dissipation	1.9 W 20°C (68°F) ambient	
Temperature Rise	32°C (58°F) nominal coil VDC	
Max. Temperature	155°C (311°F)	

NOTES

- 1. All values at 20°C (68°F).
- 2. Maximum make current refers to in-rush current of lamp load.
- 3. Relay may pull in with less than "Must Operate" value.
- 4. Specifications subject to change without notice.

GENERAL DATA

Life Expectancy Mechanical Electrical	Minimum operations 1 x 10 ⁷ operations 2 x 10 ⁵ operations at 20 A 14 VDC Res.		
Operate Time (typical)	3 ms at nominal coil voltage		
Release Time (typical)	1.5 ms at nominal coil voltage (with no coil suppression)		
Dielectric Strength (at sea level for 1 min.)	500 Vrms coil to contact 500 Vrms between open contacts		
Insulation Resistance	100 megohms min. at 20°C, 500 VDC, 50% RH		
Dropout	> 8.3% of nominal coil voltage		
Ambient Temperature Operating Storage	At nominal coil voltage -40°C (-40°F) to 85°C (185°F) -40°C (-40°F) to 155°C (311°F)		
Vibration	0.062" DA at 10–55Hz, 10 g at 55-200 Hz		
Shock	30 g, 11 ms, functional		
Terminals	Tinned copper alloy, P.C.		
Max. Solder Temp.	270°C (518°F)		
Max. Solder Time	5 seconds		
Max. Solvent Temp.	80°C (176°F)		
Max. Immersion Time	30 seconds		
Weight	10 grams		



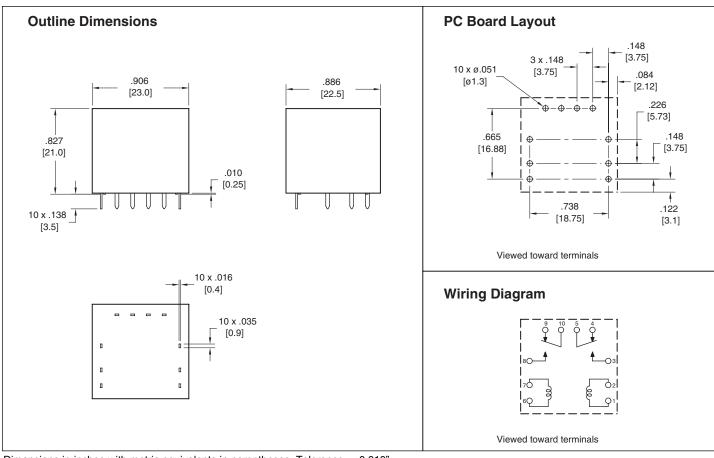
AMERICAN ZETTLER, INC. www.azettler.com

AZ935

RELAY ORDERING DATA

COIL SPECIFICATIONS - DC Coil				ORDER NUMBER
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance ±10%	2 Form C (SPDT)
12	7.2	22.0	255	AZ935–2C–12DET

MECHANICAL DATA



Dimensions in inches with metric equivalents in parentheses. Tolerance: $\pm~0.010$ "