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# PRODUCT

# Reed Switches Reed Relays Selection Guide Application Notes 4-Pin-DIP-DF PB-PC M-L-W SIP-DG SIP-DH SIP-SD SIP-SG Z Passive Infrared Detectors Photoelectric Beams Opto Sensors

Automotive Sensors Level Sensors

Flow Sensors

Magnetic Contacts

Video

# Aleph Ultra Compact/Z Series Reed Relay

- Ultra compact package
- Coaxial shields on some models
- Metal can for interference immunity
- Various contact configurations



### Coil Ratings

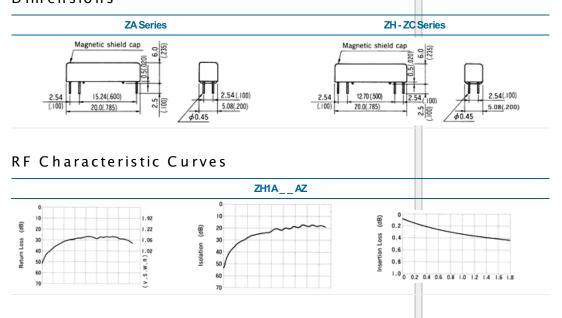
	Nominal	Coil	Operate	Release	
Part Number	Voltage (VDC)	Resistance (ohms) ±10%	Voltage (VDC) max.	Voltage (VDC) min.	Schematics
ZA1A**AZ	5 12	150 680	3.8 9.0	0.5 1.0	16 15(E.S.S) 9 000 9 1 (M.S) 8
ZH1A**AZ (for RF applications)	5 12	250 1200	3.8 9.0	0.5 1.0	16 IS(E.S.S) 10(E.S.S) 9
ZC1C**CZ	5 12	100 250	3.8 9.0	0.5 1.0	16_15(E.S.S)_10(E.S.S)_9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

TAMB. = +20°C (M.S.) : Magnetic Shield

### Contact Ratings

Parameters		ZA1A**AZ ZH1A**AZ	ZC1C**CZ	
Power (W) max.		10	3	
Voltage (VDC) max.		200	100	
Switching Current (A) max		0.5	0.25	
Carry Current (A) max.		1.0	0.5	
Contact Resistance (ohms) max. (initial)		0.15	0.15	
Breakdown Voltage (VDC) min.	Open Contact	250	200	
	Contact to Coil	500	500	
Insulation Resistance (ohms) min.	Open Contact	10 <sup>10</sup>	10 <sup>9</sup>	
	Contact to Coil	10 <sup>10</sup>	10 <sup>10</sup>	
Operate Time (mS) max (incl. bounce)		1.0	2.0	
Release Time (mS) max		0.5	2.5	
	Low Level	10 <sup>8</sup> (10mVDC, 10μA)	5 X 10 <sup>6</sup> (10VDC, 4mA)	
Electrical Life	Rated Load	6 X 10 <sup>5</sup> (20VDC, 0.5A)	2 X 10 <sup>6</sup> (12VDC, 0.25A	
resistive loads)			-	

## Dimensions





Aleph is a leading manufacturer of Opto Sensors (interrupter, reflective and actuator type), Magneto Resistive, Inductive, Thermal (reed switch), Magnetic Proximity (reed switch) and Deceleration/Crash type sensors.

Our security products are considered some of the best in the world. We manufacture and distribute Passive Infrared Detectors, Photoelectric Beams and Magnetic Contacts.

Aleph America 4700 Aircenter Circle Reno, NV 89502

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