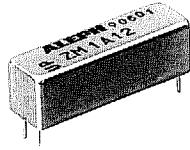
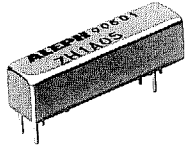


Ultra Compact Reed Relays



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

COIL RATINGS (Tamb. = +20°C)

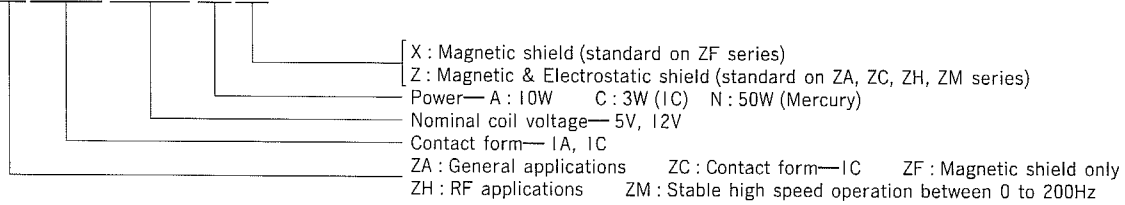
Part Number	Nominal Voltage (VDC)	Coil Resistance (Ω $\pm 10\%$)	Operate Voltage (VDC) max.	Release Voltage (VDC) min.	Schematics
Z A 1 A □ □ A Z	5 12	150 680	3.8 9.0	0.5 1.0	
Z H 1 A □ □ A Z (for RF applications)	5 12	250 1200	3.8 9.0	0.5 1.0	
Z C 1 C □ □ C Z	5 12	100 250	3.8 9.0	0.5 1.0	
Z A 1 A □ □ N Z <i>Mercury</i>	5 12	100 360	3.8 9.0	0.5 1.0	
Z H 1 A □ □ N Z (for RF applications) <i>Mercury</i>	5 12	100 360	3.8 9.0	0.5 1.0	
Z F 1 A □ □ N X <i>Mercury</i>	5 12	350 1400	4.0 9.0	0.5 1.0	
Z M 1 A □ □ N Z (for 0~200Hz operation) <i>Mercury</i>	5 12	100 500	3.8 9.0	0.5 1.0	

Notes — (M.S.): Magnetic shield (E.S.S.): Electrostatic shield

ZSeries

● How to Order

Z A 1 A 0 5 N Z



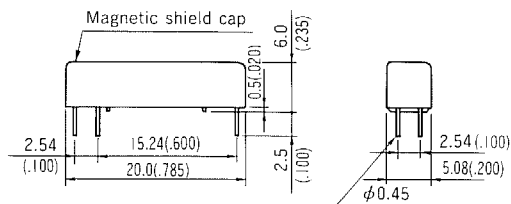
■ CONTACT RATINGS (resistive loads)

Parameters		ZA1A**AZ ZH1A**AZ	ZC1C**CZ	ZA1A**NZ <i>(Mercury)</i>	ZH1A**NZ <i>(Mercury)</i>	ZF1A**NX <i>(Mercury)</i>	ZM1A**NZ <i>(Mercury)</i>
Power (W) max.		10	3	50			
Voltage (VDC) max.		200	100	1000			
Switching Current (A) max.		0.5	0.25	2.0			
Carry Current (A) max.		1.0	0.5	2.0			
Contact Resistance (Ω) max. (initial)		0.15	0.15	0.1			
Breakdown Voltage (VDC) min.	Open Contact	250	200	1000			
	Contact to Coil	500	500	1000			
Insulation Resistance (Ω) min.	Open Contact	10 ¹⁰	10 ⁹	10 ¹⁰			
	Contact to Coil	10 ¹⁰	10 ¹⁰	10 ¹⁰			
Operate Time (mS) max. (incl. bounce)		1.0	2.0	1.0 (at 10Hz)	1.3 (at 10Hz)	1.0 (at 10Hz)	1.5 (at 0~200Hz)
Release Time (mS) max.		0.5	2.5	1.0 (at 10Hz)	1.3 (at 10Hz)	1.0 (at 10Hz)	1.5 (at 0~200Hz)
Electrical Life	Low Level	10 ⁸ (10mVDC, 10μA)	5 × 10 ⁶ (10VDC, 4mA)	10 ⁹ (10VDC, 4mA)			
	Rated Load	6 × 10 ⁶ (20VDC, 0.5A)	2 × 10 ⁶ (12VDC, 0.25A)	10 ⁶ (50VDC, 1.0A)			

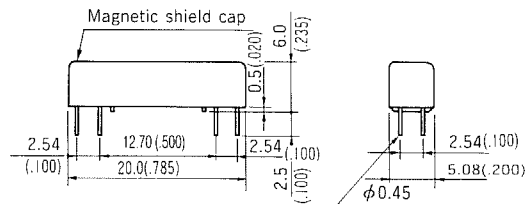
▶ See next page for RF characteristics (ZH1A**AZ, ZH1A**NZ)

■ DIMENSIONS Unit : mm (inch)

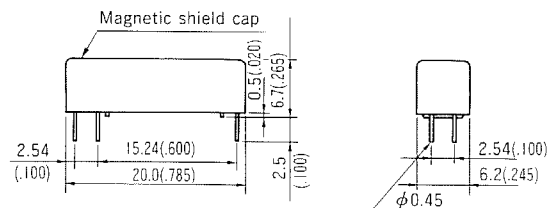
ZA Series



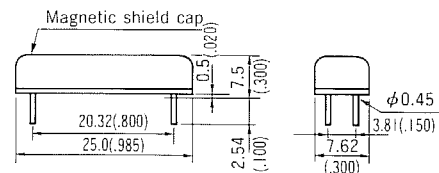
ZH•ZC Series



ZM Series



ZF Series



* Lead dia. 0.45 (.018)

■ **RF CHARACTERISTICS** (at 400MHz, characteristic impedance=50Ω)

Parameters	ZH1A**AZ	ZH1A**NZ <i>Mercury</i>
V. S. W. R.	1.07 max.	1.05 max.
Isolation	27 dB min.	35 dB min.
Insertion Loss	0.3 dB max.	0.3 dB max.

■ **RF CHARACTERISTIC CURVES**

