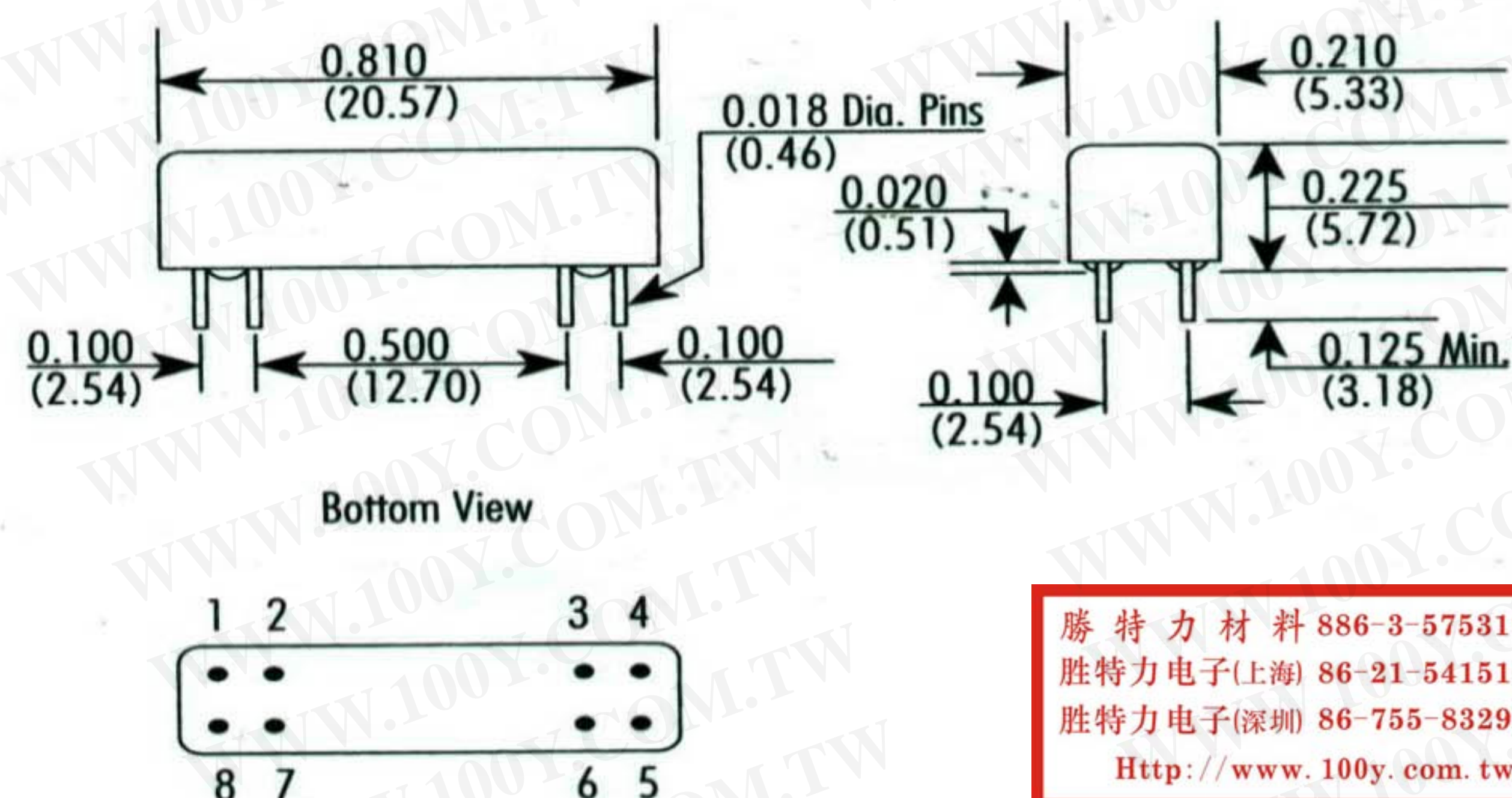
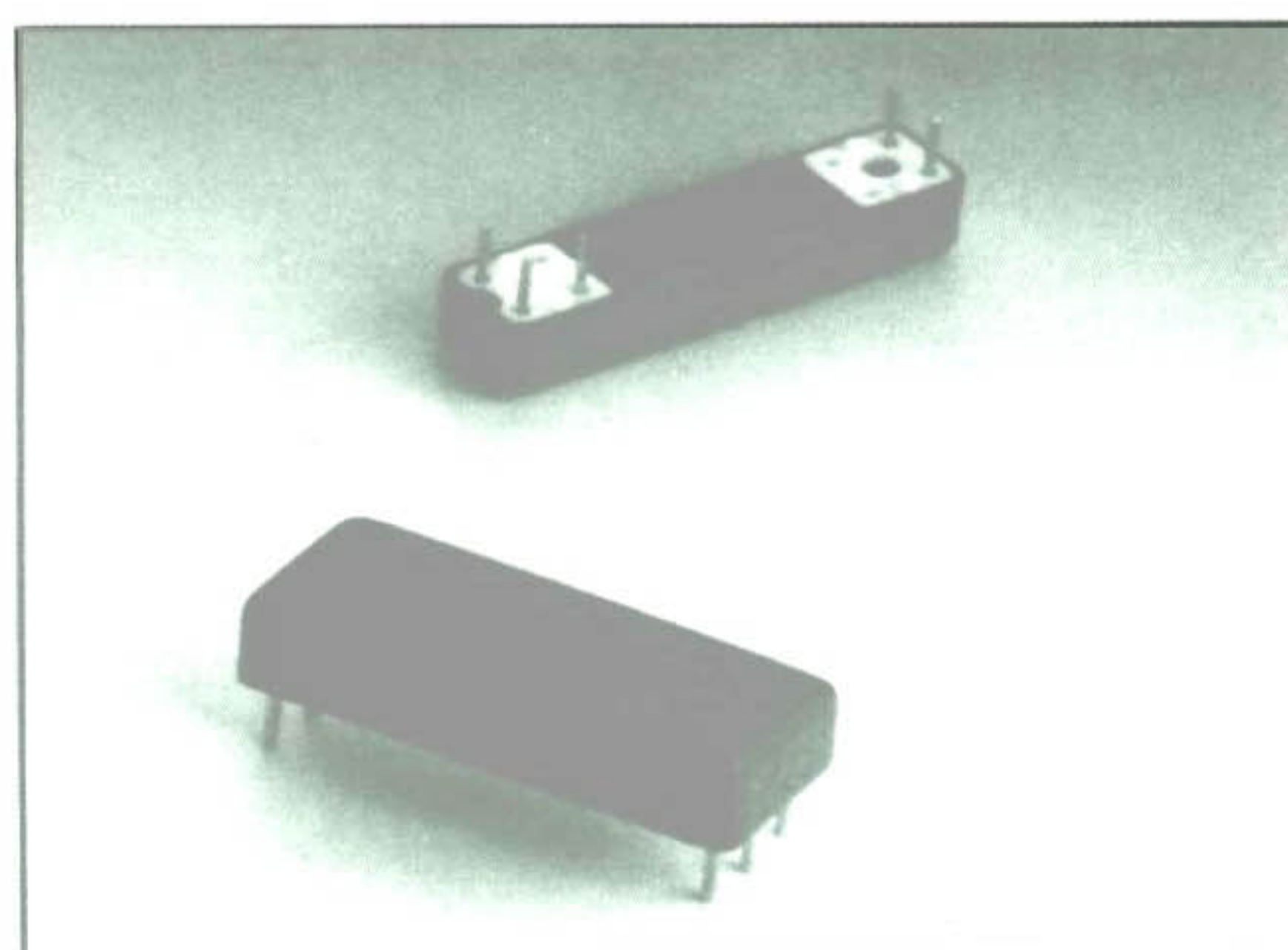


Series	Dimensions LxWxH inches (mm)	Description	Contact Forms	Coil Voltage	Switching Voltage	Contact Rating	Applications & Features
2200	0.81x0.21x0.225 (20.6x5.3x5.7)	Micro- miniature	1A, 1A*, 2A, 3A, 1C, 2C	5V, 12V	100V, 200V, 500V*	3W, 10W, 50W*	<ul style="list-style-type: none"> • ATE • IC Testers • Low Capacitance • 50Ω Impedance • RF Signal Switching • Low Level Signal
2300	0.81x0.21x0.37 (20.6x5.3x9.4)						
2900	0.82x0.25x0.28 20.8x6.4x7.1						

Model Number	2204-05-4X1 2204-12-3X1	2211-XX-3X1	2200-2301	2200-2302	2200-2310
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Parameters	Test Conditions	Units	1 Form A		1 Form C		1 Form A Electrostatic Shield	1 Form A Coaxial Shield	1 Form A	
Coil Specs.	Nom. Coil Voltage	VDC	5	12	5	12	5	5	5	
	Coil Resistance	Ω	370	1500	230	1500	150	150	550	
	Operate Voltage	VDC - Max.	3.8	9.0	3.8	9.0	3.6	3.6	4.0	
	Release Voltage	VDC - Min.	0.4	1.0	0.4	1.0	0.5	0.5	1.0	
Contact Ratings	Switching Voltage	Volts	200		100		200	200	200	
	Switching Current	Amps	0.5		0.25		0.5	0.5	0.5	
	Carry Current	Amps	1.0		0.5		1.0	1.0	1.0	
	Contact Rating	Watts	10		3		10	10	10	
	Life Expectancy-Typical ¹	Signal Level 1.0V, 10mA	500		100		500	500	500	
	Rated Loads	x 10 ⁶ Ops. x 10 ⁶ Ops.	5		5		5	5	5	
	Static Contact Resistance (max. init.)	50mV, 10mA	Ω	0.100		0.150		0.150	0.150	0.100
	Dynamic Contact Resistance (max. init.)	0.5V, 50mA at 100 Hz, 1.5 msec	Ω	0.200		0.200		0.200	0.200	0.200
	Relay Specifications	Insulation Resistance (minimum)	Ω	10 ¹²		10 ¹⁰		10 ¹¹	10 ¹¹	10 ¹⁰
Capacitance - Typical Across Open Contacts		Shield Floating Shield Guarding	pF pF	0.9 0.2		0.9 -		0.9 0.2	0.9 0.2	0.9 -
Dielectric Strength (minimum)		Between Contacts Contacts to Shield Contacts/Shield to Coil	VDC/peak AC VDC/peak AC VDC/peak AC	250 250 1500		200 - 1500		250 250 1500	250 250 1500	250 - 1500
Operate Time - including bounce		At Nominal Coil Voltage, 30 Hz Square Wave	msec.	0.5 Typical		1.0 Typical		0.55 Max.	0.55 Max.	0.65 Max.
Release Time - Typical		Zener-Diode Suppression ³	msec.	0.1		2.0		0.1	0.1	0.1
Schematics		BOTTOM VIEW Dot stamped on top of relay refers to pin #1 location. Pin numbers for reference only. Unused pins omitted.								



勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
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[Http://www.100y.com.tw](http://www.100y.com.tw)

2200 Series Features

- Very small (0.17 in²), high reliability reed relays.
- High Insulation Resistance - 10¹² Ω offered on some models.
- High speed switching compared to electromechanical relays.
- Hermetically sealed contacts for long life.
- Epoxy coated steel shell provides magnetic shielding.
- Optional Electrostatic shield for reducing coupling capacitance offered on some models.
- Optional Coaxial shield for 50 Ω impedance and switching of fast rise time digital pulses offered on some models.
- Relay models 2200-2301, 2200-2302, 2200-2310 are ATE industry standards. Specifically engineered for new OEM designs and maintenance of existing production fixtures.
- Made in USA.

Environmental Ratings

Storage Temp: -35°C to +100°C; Operating Temp: -20°C to +85°C
 The operate and release voltage and the coil resistance are specified at 25°C. These values vary by approximately 0.4%/°C as the ambient temperature varies.
 Vibration: 20 G's to 2000 Hz; Shock: 50 G's

Notes:

- ¹Consult factory for life expectancy at other switching loads.
- ²Model 2204, pin #7 is tied to optional electrostatic shield, pins #6 & #7 are tied to optional coaxial shield.
- ³Consists of 20V Zener-Diode and 1N4002 diode in series, connected in parallel with coil.

Ordering Information

A complete part number is represented by the 9 digits assembled below.
 Example: 2204-05-421 Represents Model 2204 with 5 V coil and coaxial shield.
 Note: Model numbers 2200-2301, 2200-2302, and 2200-2310 represent complete part numbers.

Part Number	XXXX-XX-XX1	Shielding Options ²
Model Number		
2204		0 = No Shielding
2211		1 = Electrostatic Shield (N/A on Model #2211)
		2 = Coaxial Shield (N/A on Model #2211)
Coil Voltage		Coil Options
05 = 5 volts		3 = use for Model # 2204 (12 volt coil) and Model # 2211 (5 & 12 volt coil)
12 = 12 volts		4 = use for Model # 2204 (5 volt coil)

