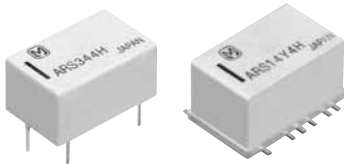


3 GHz capable, 10 W carrying power (at 3 GHz), 50Ω/75Ω impedance and 1 Form C relays

RS RELAYS (ARS)

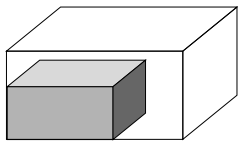


RoHS compliant

FEATURES

1. Miniature design

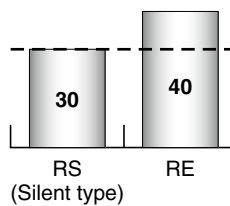
14 × 8.6 × 7.2 mm .551 × .339 × .283 inch (standard PC board terminal)



60% OFF in volume (Compared to previous our product)

2. Lineup includes silent type. (75Ω type only)

Operation noise (Unit: dB)



3. Excellent high frequency characteristics

4. Lineup includes surface-mount terminal type

E and Y layouts available.

5. Lineup includes reversed contact type

Great design freedom is possible using reversed contact type in which the positions of the N.O. and N.C. contacts are switched.

TYPICAL APPLICATIONS

1. Broadcasting and video equipment markets

- Broadcasting equipment
- STB/tuner, etc.

2. Mobile phone base stations

3. Communications market

- Antenna switching
- All types of wireless devices

4. Measurement equipment market

- Spectrum analyzer and oscilloscope, etc.

If you consider using applications with low level loads or with high frequency switching, please consult us.

ORDERING INFORMATION

ARS					
RS relays					
Contact arrangement					
1: Standard contact type (1 Form C)					
3: Reversed contact type (1 Form C)					
Operating function					
0: Single side stable standard type (Impedance: 75Ω)					
1: 1 coil latching type (Impedance: 75Ω)					
2: 2 coil latching type (Impedance: 75Ω)					
3: Single side stable silent type (Impedance: 75Ω)					
4: Single side stable type (Impedance: 50Ω)					
5: 1 coil latching type (Impedance: 50Ω)					
6: 2 coil latching type (Impedance: 50Ω)					
Nil: Standard PC board terminal					
A: Surface-mount terminal, E layout					
Y: Surface-mount terminal, Y layout					
Coil voltage, DC					
03: 3 V, 4H: 4.5 V, 09: 9 V, 12: 12 V, 24: 24 V (H=0.5)					
Packing style					
Nil: Carton packing (Standard PC board terminal only)					
Tube packing (Surface-mount terminal only)					
X: Tape and reel packing (picked from 2-pin side) (Surface-mount terminal only)					
Z: Tape and reel packing (picked from 18-pin side) (Surface-mount terminal only)					

TYPES

1. Standard PC board terminal and standard contact type

Impedance	Nominal coil voltage	Part No.		
		Single side stable type	1 coil latching type	2 coil latching type
50 Ω	3 V DC	ARS1403	ARS1503	ARS1603
	4.5 V DC	ARS144H	ARS154H	ARS164H
	9 V DC	ARS1409	ARS1509	ARS1609
	12 V DC	ARS1412	ARS1512	ARS1612
	24 V DC	ARS1424	ARS1524	ARS1624

Impedance	Nominal coil voltage	Part No.			
		Standard type			Silent type
		Single side stable type	1 coil latching type	2 coil latching type	Single side stable type
75 Ω	3 V DC	ARS1003	ARS1103	ARS1203	ARS1303
	4.5 V DC	ARS104H	ARS114H	ARS124H	ARS134H
	9 V DC	ARS1009	ARS1109	ARS1209	ARS1309
	12 V DC	ARS1012	ARS1112	ARS1212	ARS1312
	24 V DC	ARS1024	ARS1124	ARS1224	ARS1324

Standard packing: 50 pcs. in an inner package; 500 pcs. in an outer package

2. Standard PC board terminal and reversed contact type

Impedance	Nominal coil voltage	Part No.		
		Single side stable type	1 coil latching type	2 coil latching type
50 Ω	3 V DC	ARS3403	ARS3503	ARS3603
	4.5 V DC	ARS344H	ARS354H	ARS364H
	9 V DC	ARS3409	ARS3509	ARS3609
	12 V DC	ARS3412	ARS3512	ARS3612
	24 V DC	ARS3424	ARS3524	ARS3624

Impedance	Nominal coil voltage	Part No.			
		Standard type			Silent type
		Single side stable type	1 coil latching type	2 coil latching type	Single side stable type
75 Ω	3 V DC	ARS3003	ARS3103	ARS3203	ARS3303
	4.5 V DC	ARS304H	ARS314H	ARS324H	ARS334H
	9 V DC	ARS3009	ARS3109	ARS3209	ARS3309
	12 V DC	ARS3012	ARS3112	ARS3212	ARS3312
	24 V DC	ARS3024	ARS3124	ARS3224	ARS3324

Standard packing: 50 pcs. in an inner package; 500 pcs. in an outer package

3. Surface-mount terminal and standard contact type, E layout

Impedance	Nominal coil voltage	Part No.		
		Single side stable type	1 coil latching type	2 coil latching type
50 Ω	3 V DC	ARS14A03□	ARS15A03□	ARS16A03□
	4.5 V DC	ARS14A4H□	ARS15A4H□	ARS16A4H□
	9 V DC	ARS14A09□	ARS15A09□	ARS16A09□
	12 V DC	ARS14A12□	ARS15A12□	ARS16A12□
	24 V DC	ARS14A24□	ARS15A24□	ARS16A24□
75 Ω	3 V DC	ARS10A03□	ARS11A03□	ARS12A03□
	4.5 V DC	ARS10A4H□	ARS11A4H□	ARS12A4H□
	9 V DC	ARS10A09□	ARS11A09□	ARS12A09□
	12 V DC	ARS10A12□	ARS11A12□	ARS12A12□
	24 V DC	ARS10A24□	ARS11A24□	ARS12A24□

Standard packing: 40 pcs. in an inner package (tube); 1,000 pcs. in an outer package

Standard packing: 500 pcs. in an inner package (tape and reel); 1,000 pcs. in an outer package

Note: The box at the end of a part number shows where packing type is indicated. If there is no indication, tube packing will be used.

If "X" or "Z" is added, tape and reel packing will be used. Example: ARS14A03 (tube packing), ARS14A03X (tape and reel packing)

4. Surface-mount terminal and standard contact type, Y layout

Impedance	Nominal coil voltage	Part No.		
		Single side stable type	1 coil latching type	2 coil latching type
50 Ω	3 V DC	ARS14Y03□	ARS15Y03□	ARS16Y03□
	4.5 V DC	ARS14Y4H□	ARS15Y4H□	ARS16Y4H□
	9 V DC	ARS14Y09□	ARS15Y09□	ARS16Y09□
	12 V DC	ARS14Y12□	ARS15Y12□	ARS16Y12□
	24 V DC	ARS14Y24□	ARS15Y24□	ARS16Y24□
75 Ω	3 V DC	ARS10Y03□	ARS11Y03□	ARS12Y03□
	4.5 V DC	ARS10Y4H□	ARS11Y4H□	ARS12Y4H□
	9 V DC	ARS10Y09□	ARS11Y09□	ARS12Y09□
	12 V DC	ARS10Y12□	ARS11Y12□	ARS12Y12□
	24 V DC	ARS10Y24□	ARS11Y24□	ARS12Y24□

Standard packing: 40 pcs. in an inner package (tube); 1,000 pcs. in an outer package

Standard packing: 500 pcs. in an inner package (tape and reel); 1,000 pcs. in an outer package

Note: The box at the end of a part number shows where packing type is indicated. If there is no indication, tube packing will be used.

If "X" or "Z" is added, tape and reel packing will be used. Example: ARS14Y03 (tube packing), ARS14Y03X (tape and reel packing)