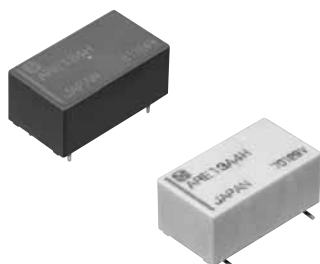


**2.6 GHz capable, 10 W
carrying power (at 2.6 GHz),
50Ω/75Ω impedance and
1 Form C relays**

RE RELAYS (ARE)



RoHS compliant

FEATURES

- Excellent high frequency characteristics (to 2.6GHz)
- Surface-mount type also available
- Compact and slim size
Size: 20.2(L) × 11.2(W) × 8.9(H)* mm
.795(L) × .441(W) × .350(H) inch
*The height of Surface-mount type is 9.6 mm .378 inch size.

TYPICAL APPLICATIONS

1. Broadcasting and video markets.
 - Digital broadcasting equipment
 - STB/tuner
2. Communications market
 - Antennae switching
 - All types of wireless devices

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

ORDERING INFORMATION

	ARE	1					
RE relays							
Contact arrangement 1: 1 Form C							
Operating function 0: Single side stable type (Impedance 50Ω) 3: Single side stable type (Impedance 75Ω)							
Terminal shape Nil: Standard PC board terminal A: Surface-mount terminal							
Coil voltage (DC) 03: 3V, 4H: 4.5V, 06: 6V, 09: 9V, 12: 12V, 24: 24V (H=0.5)							
Packing style Nil: Carton packing (Standard PC board terminal only) Tube packing (Surface-mount terminal only) Z: Tape and reel packing (picked from 14 pin side)							

TYPES

1. Standard PC board terminal

Nominal coil voltage	Part No.	
	Single side stable type (Impedance 50Ω)	Single side stable type (Impedance 75Ω)
3 V DC	ARE1003	ARE1303
4.5 V DC	ARE104H	ARE134H
6 V DC	ARE1006	ARE1306
9 V DC	ARE1009	ARE1309
12 V DC	ARE1012	ARE1312
24 V DC	ARE1024	ARE1324

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

2. Surface-mount terminal

1) Tube package

Nominal coil voltage	Part No.	
	Single side stable type (Impedance 50Ω)	Single side stable type (Impedance 75Ω)
3 V DC	ARE10A03	ARE13A03
4.5 V DC	ARE10A4H	ARE13A4H
6 V DC	ARE10A06	ARE13A06
9 V DC	ARE10A09	ARE13A09
12 V DC	ARE10A12	ARE13A12
24 V DC	ARE10A24	ARE13A24

Standard packing: 25 pcs. in an inner package (tube); 200 pcs. in an outer package

2) Tape and reel package

Nominal coil voltage	Part No.	
	Single side stable type (Impedance 50Ω)	Single side stable type (Impedance 75Ω)
3 V DC	ARE10A03Z	ARE13A03Z
4.5 V DC	ARE10A4HZ	ARE13A4HZ
6 V DC	ARE10A06Z	ARE13A06Z
9 V DC	ARE10A09Z	ARE13A09Z
12 V DC	ARE10A12Z	ARE13A12Z
24 V DC	ARE10A24Z	ARE13A24Z

Standard packing: 400 pcs. in an inner package (tape and reel); 800 pcs. in an outer package

RATING

1. Coil data

Nominal coil voltage	Pick-up voltage (at 20°C 68°F)	Drop-out voltage (at 20°C 68°F)	Nominal operating current [±10%] (at 20°C 68°F)	Coil resistance [±10%] (at 20°C 68°F)	Nominal operating power	Max. applied voltage (at 60°C 140°F)
3 V DC	75%V or less of nominal voltage (Initial)	10%V or more of nominal voltage (Initial)	66.7 mA	45 Ω	200 mW	110%V of nominal voltage
4.5 V DC			44.4 mA	101 Ω		
6 V DC			33.3 mA	180 Ω		
9 V DC			22.2 mA	405 Ω		
12 V DC			16.7 mA	720 Ω		
24 V DC			8.3 mA	2,880 Ω		