# SPECIFICATION

# **IARD**

# SUBMINIATURE POWER RELAY

## CONTACT DATA (IARD)

Contact arrangement	1A	1C		
Contact resistance	50mΩ (at 1A 6VDC)			
Contact material	Silver alloy			
Contact rating (Res. load)	25A 14VDC	20A 14VDC		
Max. switching voltage	24VDC			
Max. switching current	25A			
Max. switching power	350W			
Mechanical endurance	1 x 10 <sup>7</sup> ops			
Electrical endurance	1 x 10 <sup>5</sup> ops			

# COIL

Coil power	1200mW / 1600mW

### COIL DATA

(1200mW) Nominal Pick-up Drop-out Rated Coil Voltage Voltage Voltage Current Resistance VDČ VDC VDČ (mA) 0 0.3 3.9 200 30 x (1±10%) 6 7.8 12 0.6 100 120 x (1±10%) 24 15.6 1.2 50 480 x (1±10%)

#### (1600mW)

at 23℃

## CONTACT DATA

Insulation resistance		ce	100MΩ (at 500VDC)		
Dielectric strength	Between coil & contacts		1000VAC 1min		
	Between open contacts		500VAC 1min		
Operate time (at nomi. Volt.)		nomi. Volt.)	10ms max.		
Release time (at nomi. Volt)		omi. Volt)	10ms max.		
Shock resist	stance	Functional	10G		
		Destructive	100G		
Vibration resistance		e	10Hz to 55Hz 1.5mm		
Humidity			85%(at 40℃)		
Ambient temperature		ure	-40℃ to 85℃		
			Mechanical: 18,000 Operations/hr		
Max switching frequency		quency	Electrical: 1,800 Operations/hr		
Unit weight			Approx. 18g		
Unit weight			Арргох. 16		

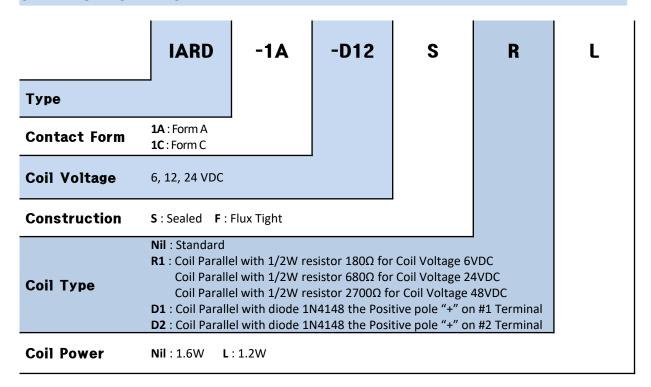
 $\mbox{\bf Notes:} \ \mbox{\bf 1)}$  The data shown above are initial values.

2) Please find coil temperature curve in the characteristic curves below.

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Rated Current (mA)	Coil Resistance Ω
6	3.9	0.3	261	23 x (1±10%)
12	7.8	0.6	133	90 x (1±10%)
24	15.6	1.2	67	360 x (1±10%)

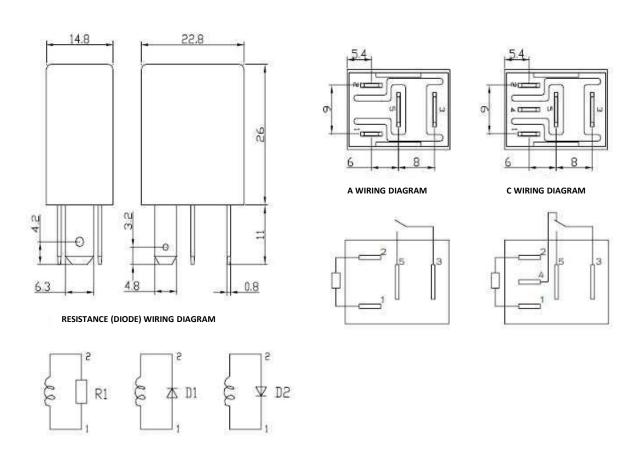


#### ORDERING INFORMATION



#### **OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT**

Unit:mm



# **CHARACTERISTIC CURVES**

