SPECIFICATION

IRBM SUBMINIATURE POWER RELAY

CONTACT DATA

Contact arrangement	2A	2C
Contact resistance	100mΩ (at 1A 6VDC)	
Contact material	Silver Alloy	
Contact rating (Res. load)	8A 250VAC	
Minimum Load	100mA 5VDC	
Max. switching voltage	440VAC/125VDC	
Max. switching current	8A	
Max. switching power	2000VA	
Mechanical endurance	1 x 10^7ops	
Electrical endurance	1 x 10^5ops	

CHARACTERISTICS

Insulation resistance		100MΩ (at 500VDC)
Dielectric strength	Between coil & contacts	5000VAC 1min
	Between open contacts	1000VAC 1min
Operate time (at nomi. Volt.)		15ms max.
Release time (at nomi. Volt)		8ms max.
Shock resistance	Functional	10G
	Destructive	100G
Vibration resistance		10Hz to 55Hz 1.5mm DA
Humidity		40 ~ 85%
Ambient temperature		-40℃ to 85℃
Termination		PCB
Unit weight		Approx. 14g
Max. Switching frequency	Mechanical	18,000 ops/hr
	Electrical	1,200 ops/hr

Notes : 1) The data shown above are initial values.

COIL

Coil power	0.4W

COIL DATA at 23℃

(0.4W)

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Rated Current (mA)	Coil Resistance Ω
5	3.5	0.5	80	62 x (1±10%)
6	4.2	0.6	66.7	90 x (1±10%)
9	6.3	0.9	44.6	202 x (1±10%)
12	8.4	1.2	33.3	360 x (1±10%)
18	12.6	1.8	22.2	810 x (1±10%)
24	16.8	2.4	16.7	1440 x (1±10%)
48	33.6	4.8	8.3	5760 x (1±10%)

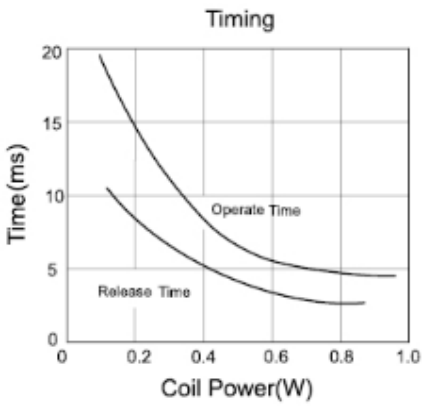
ORDERING INFORMATION

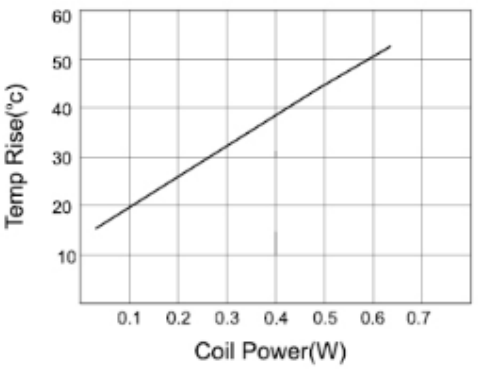
	IRBM	-2C	D12	S
Type				
Contact Form	**2A** : 2 Form A , **2C** : 2Form C			
Coil Voltage	5, 6, 9, 12, 18, 24, 48 VDC			
Construction	**S :** Sealed Type			

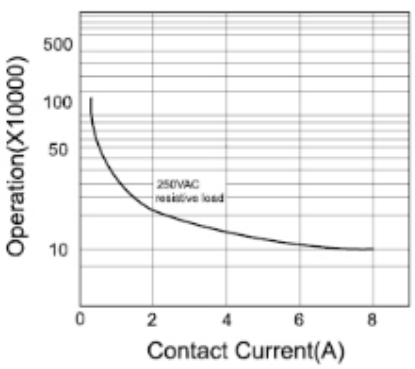
SAFETY APPROVAL RATINGS

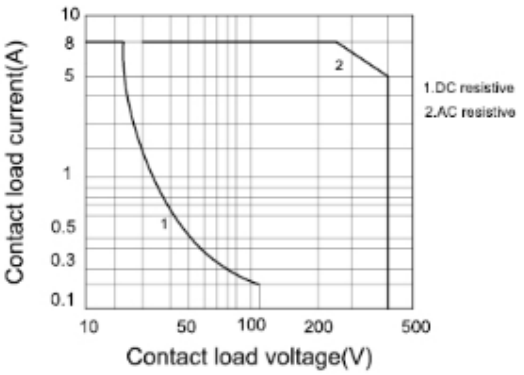
UL&CUL	8A 250VAC	5 to 48VDC	

CHARACTERISTIC CURVES



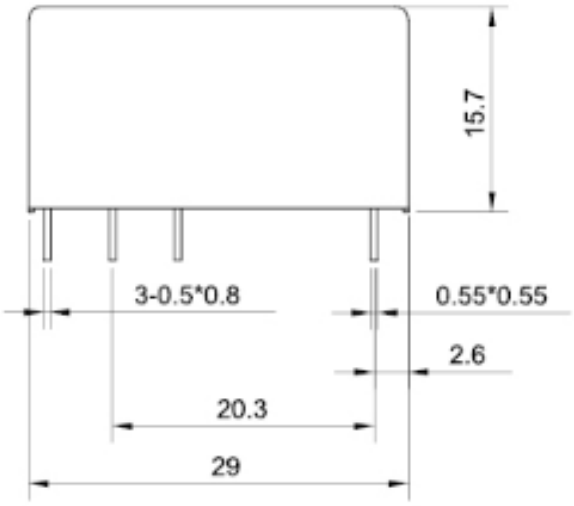


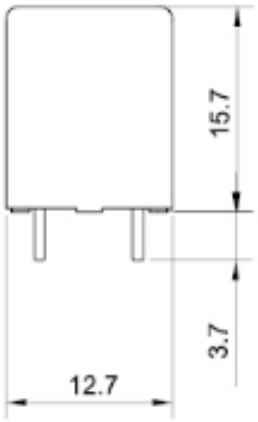




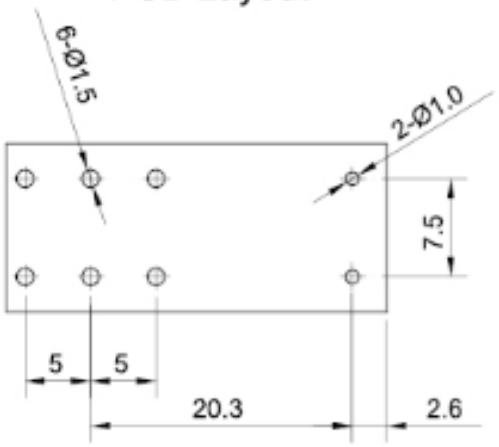
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit:mm

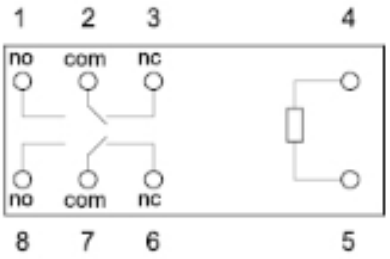




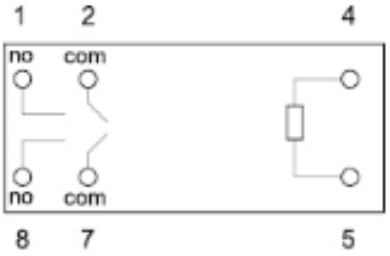
PCB Layout



Wiring Diagram



2 Form C



2 Form A