

# SPECIFICATION

ITEM	MINIATURE RELAY (Lead Free Application)	MODEL NO.	IRC-1C
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● COIL VOLTAGE : DC 3 ~ 48V

● APPROVAL  
UL ( E195815 )

● CONTACT

Arrangement		1 Form C
Rating (R-load) Nominal switching capacity	UL	3A 120VAC/24VDC
	TUV	
	VDE	
Max. switching current		3A
Max. switching voltage		120VAC , 24VDC
Max. switching power		360VAC,72W
Contact resistance		100mO Max(6VDC 1A)
Life - expectance	mechanical	1_10 <sup>7</sup> ops. Min
	electrical	1_10 <sup>5</sup> ops. Min
Contact material		AgNi + Au

● CHARACTERISTICS

Operate time		5.0 msec Max
Release time		5.0 msec Max
Insulation resistance		100 MO (DC500V)
Dielectric strength Between open contacts Between contacts and coil		500VAC 50/60 HZ 1Minute 1000VAC 50/60 HZ 1Minute
Operating frequency		30ops / Minute
Surge Voltage		
Coil temperature rise		50 deg Max
Ambient temperature		-25 ~ +55℃
Shock resistance	Functional	10G Min
	Endurance	100G Min
Vibration resistance	Functional	10 to 55HZ Double Amplitude 1.5mm
	Endurance	10 to 55HZ Double Amplitude 1.5mm
Weight		Abt 3.5g

## ● COIL DATA

Nominal voltage VDC	Pick-up voltage VDC (Max)	Drop-out voltage VDC (Min)	Nominal current mA(_10%)	Coil resistance O(_10%)	Power consumption (mW)	Max.allowable voltage (VDC)
5	3.75	0.5	71.4	70	360	110%
9	6.75	0.9	40.9	220		
12	9	1.2	30	400		
24	18	2.4	15	1600		

Nominal voltage VDC	Pick-up voltage VDC (Max)	Drop-out voltage VDC (Min)	Nominal current mA(_10%)	Coil resistance O(_10%)	Power consumption (mW)	Max.allowable voltage (VDC)
5	3.75	0.5	40	125	200	110%
9	6.75	0.9	22.2	405		
12	9	1.2	16.7	720		
24	18	2.4	8.57	2800		

## ● ORDERING INFORMATION

IRC	1C	D12	S	□
MODEL NAME	Contact Circuit 1C:Normal 1CE:Special	Coil Vtg 3-24VDC	S:Sealed Type	Nil:0.2W L:0.36W