SPECIFICATION

ITEM	MINIATURE RELAY (Lead Free Application)	MODEL NO.	IRD-1C

● **COIL VOLTAGE : DC 5 ~ 24V**

● **APPROVAL**
UL (E195815)

● **CONTACT**

Arrangement		1 Form C
Rating (R-load) Nominal switching capacity	UL	2A 120VAC/24VDC
	TUV	
	VDE	
Max. switching current		2A
Max. switching voltage		120VAC , 24VDC
Max. switching power		240VA, 48W
Contact resistance		100mO Max
Life - expectance	mechanical	1_10^7 ops. Min
	electrical	1_10^5 ops. Min
Contact material		AgNi + Au Clad

● **CHARACTERISTICS**

Operate time		5.0 msec Max
Release time		5.0 msec Max
Insulation resistance		1000 MO (DC500V)
Dielectric strength Between open contacts Between contacts and coil		400VAC 50/60 HZ 1Minute 1000VAC 50/60 HZ 1Minute
Operating frequency		30ops / Minute
Coil temperature rise		50 deg Max
Ambient temperature		-30~ +70℃
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 2.2g

● 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	4	0.5	30	166.7	150	110%
9	7.2	0.9	16.7	540		
12	9.6	1.2	12.5	960		
24	19.2	2.4	6.25	3840		

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	4	0.5	40	125	200	110%
9	7.2	0.9	22.2	405		
12	9.6	1.2	16.6	720		
24	19.2	2.4	8.3	2880		

● ORDERING INFORMATION

IRD	1C	D12	S	□
MODEL NAME	Contact Form 1C:SPDT	Coil Vtg 5-24VDC	S:Sealed Type	Nil:0.2W S:0.15W L:0.36W