

SPECIFICATION

ITEM	MINIATURE RELAY (Lead Free Application)	MODEL NO.	IRH
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● COIL VOLTAGE : DC 5 - 24VDC

● APPROVAL UL (E195815) TUV (R9859574)

● CONTACT

Arrangement		Standard-type	High-type
		1 Form c	1 Form A
Rating (Resistive-load) Nominal switching capacity		UL:10A 120VAC 10A 277VAC/24VDC TUV :5A/240VAC TV-5 120VAC	15A 125VAC 10A 277VAC
Max. switching current		10A	15A
Max. switching voltage		120VAC , 277VAC	
Max. switching power		2770VA, 240W	2770A,360W
Contact resistance		30mΩ Max(1A 6VDC)	
Life - expectance	mechanical	1×10 ⁷ ops. Min	
	electrical	1×10 ⁵ ops. Min	
Contact material		AgSnO ₂	

● CHARACTERISTICS

Operate time		10.0 msec Max
Release time		5.0 msec Max
Insulation resistance		100MΩ (DC500V)
Dielectric strength Between open contacts Between contacts and coil		750VAC 50/60 HZ 1Minute 1500VAC 50/60 HZ 1Minute
Operating frequency		30ops / Minute
Surge Voltage(coil and contact)		8,000VA(REF)
Coil temperature rise		45 deg Max
Ambient temperature		-40 ~ + 85℃
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

● COIL DATA

Nominal voltage VDC	Pick-up voltage VDC(Max)	Drop-out voltage VDC(Min)	Nominal current mA(±10%)	Coil resistance Ω (±10%)	Power consumption (mW)	Max.allowable voltage (VDC)
3	2.25	0.3	120	25	360	120%
5	3.8	0.5	72	70		
6	4.5	0.6	60	100		
9	6.75	0.9	40	225		
12	9	1.2	30	400		
18	13.5	1.8	20	900		
24	18	2.4	15	1600		
48	36	4.8	7.5	4500	510	

● ORDERING INFORMATION

IRH	1C	D12	S
MODEL NAME	Contact Form	Coil Voltage	S:Sealed SG:GOLD PLATING
	1A : SPST 1C : SPDT	5-24VDC	