SPECIFICATION

ITEM	MINIATURE RELAY (Lead Free Application)	MODEL NO.	IRT

● COIL VOLTAGE : DC 12V

● APPROVAL
UL (E197406)

● CONTACT

Arrangement		1 Form C	
Contact rating Resistive load Locked Motor load Motor Freeload		14VDC 10A 14VDC 20A 14VDC-inrush 20A, break 4A	
Max. carrying current		35A/10min, 25A/1h	
Max. Inrush current		60A	40A
Max. switching current		NO/NC : 35/10A 16VDC	
Contact resistance		100mΩ Max	
Life - expectance	mechanical	1×10^7 ops. Min	
	electrical	2×10^5 ops. Min	
Contact material		Ag-SnO	Ag-Ni10

● CHARACTERISTICS

Operate time		10.0 msec Max
Release time		5.0 msec Max
Insulation resistance		100 MΩ (DC500V)
Dielectric strength Between open contacts Between contacts and coil		500VAC 50/60 HZ 1Minute 500VAC 50/60 HZ 1Minute
Operating frequency		20ops / Minute
Surge Voltage		
Coil temperature rise		60 deg Max
Ambient temperature		-40 ~ +85℃
Shock resistance	Functional	10G Min
	Endurance	50G Min
Vibration resistance	Functional	10 to 55HZ Double Amplitude 1.5mm
	Endurance	10 to 55HZ Double Amplitude 1.5mm
Weight		Abt 6.0g

● 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)	7Max.allowable voltage (VDC)
12	7.8	1.2	50	240	600	130%
24	15.6	2.4	25	960		

● ORDERING INFORMATION

IRT	1C	D12	W
MODEL NAME	Contact Form	Coil Vtg	Contact material
	1C : SPDT	12, 24VDC	W : Ag-SnO N : Ag-Ni