

SPECIFICATION

IRE

TELECOM RELAY

CONTACT DATA

Contact arrangement	2C
Contact resistance	100mΩ(at 1A 6VDC)
Contact material	Silver Alloy
Contact rating (Res. load)	1A 120VAC/2A 24VDC
Minimum load	1mA 5VDC
Max. switching voltage	240VAC/60VDC
Max. switching current	2A
Max. switching power	120VA/60W
Mechanical endurance	1 x 10 ⁷ ops
Electrical endurance	1 x 10 ⁵ ops

CHARACTERISTICS DATA

Insulation resistance		100MΩ Min (at 500VDC)
Dielectric strength	Between coil & contacts	1000VAC 1min
	Between open contacts	500VAC 1min
Operate time (at nomi. Volt.)		8ms.
Release time (at nomi. Volt.)		4ms.
Shock resistance	Functional	10G
	Destructive	50G
Vibration resistance		10Hz to 55Hz 1.5mm
Humidity		40% to 85% RH
Ambient temperature		-30°C to 85°C
Termination		PCB
Unit weight		Approx 5g
Construction		Wash tight, Flux proofed

COIL

Coil power	150mW / 200mW / 360mW / 450mW
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COIL DATA

at 23°C

(150mW)				
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Rated Current (mA)	Coil Resistance Ω
3	2.4	0.15	50	60 x (1±10%)
5	4	0.25	29.9	167 x (1±10%)
6	4.8	0.3	25	240 x (1±10%)
9	7.2	0.45	16.7	540 x (1±10%)
12	9.6	0.6	12.5	960 x (1±10%)

(200mW)				
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Rated Current (mA)	Coil Resistance Ω
3	2.25	0.3	66.7	45 x (1±10%)
5	3.75	0.5	40	125 x (1±10%)
6	4.5	0.6	33.3	180 x (1±10%)
9	6.75	0.9	22.2	405 x (1±10%)
12	9	1.2	16.7	720 x (1±10%)
24	18	2.4	8.3	2880 x (1±10%)

COIL DATA

at 23°C

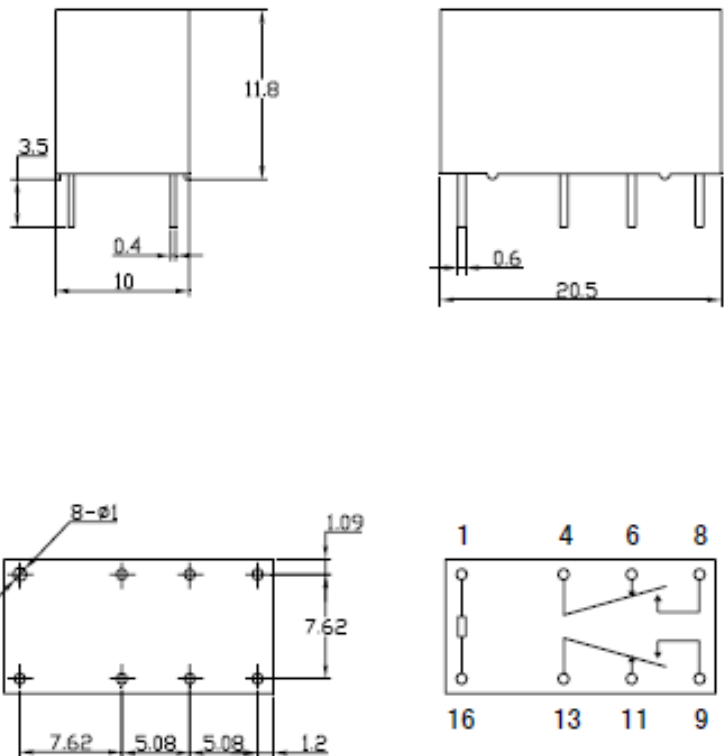
(360mW)					(450mW)				
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Rated Current (mA)	Coil Resistance Ω	Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Rated Current (mA)	Coil Resistance Ω
3	2.25	0.3	120	25 x (1±10%)	3	2.25	0.3	150	20 x (1±10%)
5	3.75	0.5	72	70 x (1±10%)	5	3.75	0.5	89.2	56 x (1±10%)
6	4.5	0.6	60	100 x (1±10%)	6	4.5	0.6	75	80 x (1±10%)
9	6.75	0.9	40	220 x (1±10%)	9	6.75	0.9	50	180 x (1±10%)
12	9	1.2	30	400 x (1±10%)	12	9	1.2	37.5	320 x (1±10%)
24	18	2.4	15	1600 x (1±10%)	24	18	2.4	18.7	1280 x (1±10%)
48	36	4.8	85	6400 x (1±10%)	48	36	4.8	10.6	5100 x (1±10%)

ORDERING INFORMATION

Type		IRE	-2C	-D12	S	Ni1
Contact form	2C : 2 Form C					
Coil voltage	3, 5, 6, 9, 12, 24, 48 VDC					
Construction	S : Sealed type					
Coil power	M : 150mW Ni1 : 200mW D: 360mW N: 450mW					

SAFETY APPROVAL RATINGS

UL&CUL	1A 120VAC/2A 24VDC
TÜV	0.5A 120VAC/1A 24VDC



CHARACTERISTIC CURVES

