SPECIFICATION

IRL — TELECOM RELAY

CONTACT DATA

Contact arrangement	1A
Contact resistance	50mΩ(at 1A 6VDC)
Contact material	Silver Alloy
Contact rating (Res. load)	16A 250VAC 20A 125VAC 16A 30VDC
Minimum load	1mA 5VDC
Max. switching voltage	277VAC/30VDC
Max. switching current	20A
Max. switching power	------
Mechanical endurance	1 x 10^7ops
Electrical endurance	1 x 10^5ops

COIL

Coil power	540mW

COIL DATA at 23℃

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Rated Current (mA)	Coil Resistance Ω
5	4	0.5	108	46 x (1±10%)
6	4.8	0.6	90	67 x (1±10%)
9	7.2	0.9	60	150 x (1±10%)
12	9.6	1.2	45	270 x (1±10%)
18	14.4	1.8	29	620 x (1±10%)
24	19.2	2.4	22.5	1050 x (1±10%)
48	38.4	4.8	11.3	4250 x (1±10%)

CHARACTERISTICS DATA

Insulation resistance		1000MΩ Min (at 500VDC)
Dielectric strength	Between coil & contacts	5000VAC 1min
	Between open contacts	1000VAC 1min
Operate time (at nomi. Volt.)		20ms.
Release time (at nomi. Volt)		10ms.
Shock resistance	Functional	10G
	Destructive	100G
Vibration resistance		10Hz to 55Hz 1.5mm DA
Humidity		40% to 85% RH
Ambient temperature		-30℃ to 85℃
Termination		PCB
Unit weight		Approx. 15g
Construction		Wash tight, Flux proofed

Notes : 1) The data shown above are initial values.
2) Please find coil temperature curve in the characteristic curves below.

ORDERING INFORMATION

	IRL	-1A	-D12
Type			
Contact form	**1A :** 1 Form A		
Coil voltage	5, 6, 9, 12, 18, 24, 48 VDC		

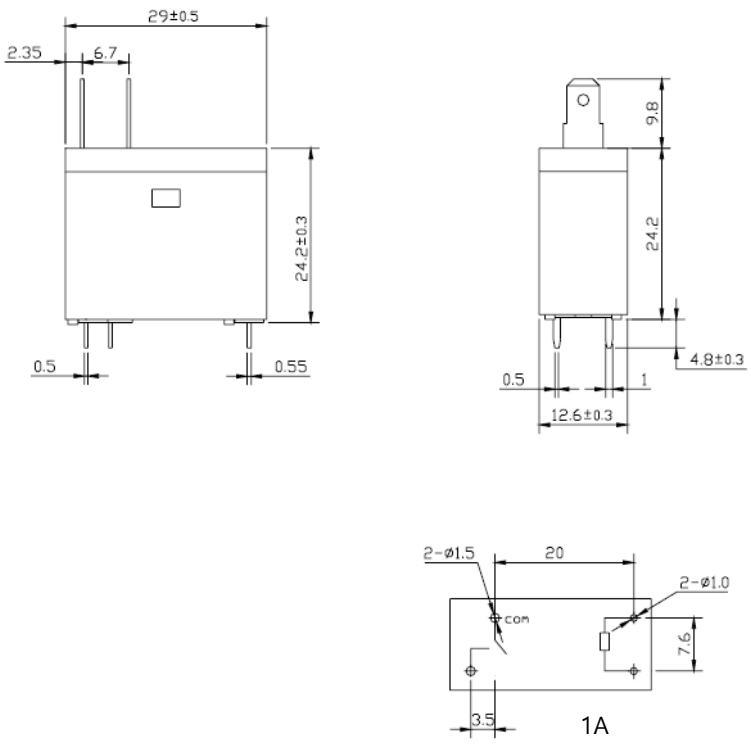
SAFETY APPROVAL RATINGS

Model	Coiling rating	Safety Standard	Contact rating
IRL	5 to 48VDC	UL&CUL	20A 125VAC

Notes : 1) Only some typical rating are listed above. If more details are required, please contact us.

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit:mm



1A