HFD2 SUBMINIATURE DIP RELAY

c UL us
File No.:E133481

Features

- 2 Form C contact,polarized relay
- High sensitivity 150mW
- Matching 16 pin IC socket
- High switching capacity 60W,125VA
- Epoxy sealed for automatic wave soldering and cleaning

CONTACT DATA

Contact Arrangement	2C
Initial Contact Resistance	50mΩ
Contact Material	see ordering info.
Contact Rating (Res. Load)	2A 30VDC
	1A 125VAC
Max. switching power	60W, 125VA
Max. switching voltage	220VDC, 250VAC
Max. switching current	2A
Min. Applicable load	10mV 10μA
Electrical life	1 x 10^5OPS (2A 30VDC) 5 x 10^5OPS (at1A 30VDC)
Mechanical life	1 x 10^8 OPS(at1A 30VDC)

CHARACTERISTICS

Initial Insulation Resistance		1000MΩ 500VDC
Dielectric Strength	Contacts to coil	1500VAC, 1min(1coil) 1000VAC, 1min(2coil)
	Contacts to contact	1000VAC, 1min
Operate time (at nomi. Volt.)		Max. 4ms
Release time (at nomi. Volt.)		Max. 3ms
Set Time (latching)		3ms
Reset Time (latching)		3ms
Bounce Time		1.5ms
Ambient temperature		-40 ˚C to +85 ˚C
Humidity		5% to 85%R.H.
Vibration Resistance		196 m/s²(20g) 10 to 55Hz
Shock Resistance	Functional	490 m/s²(50g)
	Destructive	980 m/s²(100g)
Capacitance	Contact to contact	2.0pF
	Contact set to contact	1.5pF
	Contact to coil	5.0pF
Termination		DIP & PCB
Unit weight		4.5g
Construction		Sealed IP67

COIL

		Sensitive	standard
Coil power	Single side stable	150mW	200mW
	Latching 2 coils	150mW	200mW
	Latching 1 coil	75mW	100mW
Temperature Rise		Max. 65˚C	
Coil Voltage		See coil data table	

COIL DATA

Single side stable standard(200mW) 20˚C

Order Number	Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Coil resistance Ω(±10%)	allowable Voltage VDC
003-M	3	2.30	0.3	45	6
005-M	5	3.75	0.5	125	10
006-M	6	4.50	0.6	180	12
009-M	9	6.75	0.9	405	18
012-M	12	9.00	1.2	720	24
015-M	15	11.25	1.5	1125	30
024-M	24	18.0	2.4	2880	48
048-M	48	36.0	4.8	11520	96

Single side stable sensitive(150mW) 20 ˚C

Order Number	Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Coil resistance Ω(±10%)	allowable Voltage VDC
003-S	3	2.4	0.3	60	7.0
005-S	5	4.0	0.5	167	11.5
006-S	6	4.8	0.6	240	13.8
009-S	9	7.2	0.9	540	20.8
012-S	12	9.6	1.2	960	27.7
015-S	15	12.0	1.5	1500	34.6
024-S	24	19.2	2.4	3840	55.4