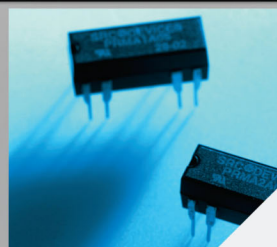
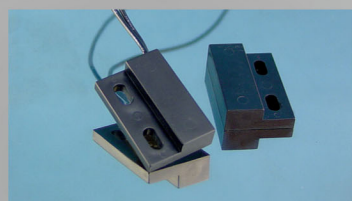


DYAD®				MINI DYAD™				ULTRA-MINI DYAD™			
											
FR2S	FR	CM15S	CM15	MN2S	MN	CM10S	CM10	UM2S	UM	CM5S	CM5
5 to 40				5 to 40				5 to 40			
5 to 40				5 to 40				5 to 40			
200				200				175			
0.5				0.5				0.25			
1.5				1.5				0.5			
10				10				5			
1 x 10 ⁹ 5 x 10 ⁸ 2 x 10 ⁶ 2 x 10 ⁶				1 x 10 ⁹ 5 x 10 ⁸ 2 x 10 ⁶ 2 x 10 ⁶				1 x 10 ⁸ 1 x 10 ⁷			
80				80				120			
1 x 10 ¹¹				1 x 10 ¹¹				1 x 10 ¹¹			
0.3				0.3				0.3			
300				300				200			
0.5				0.5				0.4			
0.2				0.2				0.1			
-40, +125				-40, +125				-40, +125			
-40, +125				-40, +125				-40, +125			
+240				+240				+240			
20				20				20			
30				30				30			
500				500				500			
15.24 x 2.29 x 1.65		16.25 x 3.80 x 2.70		10.0 x 2.55 x 2.29		11.2 x 3.80 x 3.56		5.89 x 1.93 x 1.55		6.73 x 2.92 x 2.40	
DYAD®				MINI DYAD™				ULTRA-MINI DYAD™			

		Contact Form	Contact Rating (Max VA)	Switching Voltage (Max V)	Switching Current (Max A)	Carry Current (Max A)	Isolation Between Contacts	Isolation Contact to Coil	Life Expectancy, signal level 1V, 10mA, (10 ⁶ Operations)	Minimum Resistance
	MRF3	1A+1B(1C)	3	100	0.25	0.5	150	500	200	10 ¹¹
	MRFL4	1A	3	100	0.25	0.5	150	500	200	10 ¹¹
	MRFL8	1A	3	100	0.25	0.5	150	500	200	10 ¹¹
	PRMA	1A, 2A, 1B	10	200	0.5	1.5	250	1,400	500	10 ¹⁰
	PRMA1C	1C	3	100	0.25	0.5	250	1,400	20	10 ⁹
	PRME	1A	10	200	0.5	1.5	250	1,000	500	10 ¹⁰
	MSS2	1A	50	500	2	2	1,400	1,400	200	10 ¹⁰
	MSS7	1A	50	500	2	2	1,400	1,400	200	10 ¹⁰
	DSS7	1A	10	200	0.5	1.5	250	5,600	500	10 ¹⁰
	MVS2	1A	50	500	2	3	1,400	1,400	1,000	10 ¹⁰
	MVS7	1A	50	500	2	3	1,400	1,400	1,000	10 ¹⁰
	DIP 1	1A	10	100	0.5	1	200	5,600	500	10 ¹⁰
	DIP 3	1C	3	100	0.25	0.5	200	2,100	20	10 ¹⁰
	DIP 4	1A	10	200	0.5	1.5	250	5,600	500	10 ¹⁰
	DIP 5	1A	50	500	2	3	1,000	5,600	1,000	10 ¹⁰
	DIP 6	1A	10	400	0.5	1	800	5,600	500	10 ¹⁰
	DIP 8	1C	50	500	2	3	1,000	2,100	2,000	10 ¹⁰
	DSS4	1A, 1B	10	200	0.5	1.5	250	1,500	500	10 ¹⁰
	MVS4	1A, 1B	50	1,000	2	3	2,000	2,500	1,000	10 ¹⁰
	MSS4	1A, 1B	50	500	2	2	2,000	1,400	200	10 ⁸
	CUP 1	1A to 5A, 1B, 2B, 1A1B, 2A2B	10	200	0.5	1.5	350	2,800	500	10 ¹⁰
	CUP 5	1A to 3A, 5A, 1B	50	500	2	3	2,000	2,800	1,000	10 ⁸
	CUP 6	1A to 5A, 1B	50	500	2	2	1,400	2,800	200	10 ⁸
	MRB	1A to 6A, 1B, 2B, 1A1B, 2A2B	10	200	0.5	1.5	350	1,400	500	10 ¹⁰
	922A	1C to 4C	3	100	0.25	0.5	250	1,400	20	10 ⁸
	MRBS	1A	10	200	0.5	1	210	1,400	100	10 ¹⁰
	HRM	1A,2A	50	500	2	3	1,400	1,400	1,000	10 ⁸
	HRB	1A to 6A, 1B, 2B	50	500	2	3	2,000	1,400	1,000	10 ⁸
	MMRB	1A to 6A, 1B, 2B	50	500	2	2	2,000	1,400	200	10 ⁸
	HGJM	1C, 2C, 1D, 2D	100	500	2	5	1,400	1,400	2,000	10 ⁸
	HGWM	1C, 2C	100	500	2	5	1,400	1,400	2,000	10 ⁹
	HGSM	1C, 2C, 1D, 2D	100	500	2	5	1,400	1,400	2,000	10 ⁸
	HGRM	1C, 2C, 1D, 2D	100	500	2	5	1,400	1,400	2,000	10 ⁸
	HGSR	1C, 2C	100	500	2	5	1,400	1,400	2,000	10 ⁸
	HG	1D, 2D, 4D	250	500	5	10	1,400	1,400	2,000	10 ⁷

Insulation Resistance (Ohms)	Nominal Coil Voltages	Contact Material	Package	Features	
5	Ru	Molded	Ultra small	MRF3	
3, 5, 12	Ru	Molded	Ultra small	MRFL4	
3, 5, 12	Ru	Molded	Ultra small, high frequency	MRFL8	
5, 12, 24	Ru	Molded	14 Pin DIP	PRMA	
5, 12, 15, 24	Ru	Molded	14 Pin DIP	PRMA1C	
5, 12, 24	Ru	Molded	Low profile	PRME	
5, 12, 24	Hg	Molded	All position mounting, 8 pin Dip relay	MSS2	
5, 12, 24	Hg	Molded	All position mounting, 4 pin Dip relay	MSS7	
5, 12, 24	Ru	Molded	4 pin DIP, high isolation input output	DSS7	
5, 12, 24	Hg	Molded	Position sensitive mounting, 8 pin Dip relay	MVS2	
5, 12, 24	Hg	Molded	Position sensitive mounting, 14 pin Dip relay	MVS7	
20 mA	Ru	Plastic cover potted	Fully sealed, current sensing	DIP 1	
5, 12, 24	Ru	Plastic cover potted	Fully sealed, High coil resistance capability for low profile applications	DIP 3	
5, 12, 24	Ru	Plastic cover potted	Fully sealed, High coil resistance capability for low profile applications	DIP 4	
5, 12, 24	Hg	Plastic cover potted	Fully sealed, position sensitive mounting	DIP 5	
5, 12, 24	Ru	Plastic cover potted	Fully sealed, high switch isolation	DIP 6	
5, 12, 24	Hg	Plastic cover potted	Fully sealed, position sensitive mounting	DIP 8	
3, 5, 12, 15, 24	Ru	Molded	High board density, high isolation	DSS4	
5, 12, 24	Hg	Molded	Position sensitive mounting	MVS4	
5, 12, 24	Hg	Molded	All position mounting	MSS4	
5, 6, 12, 24, 48	Ru	Metal or plastic cover potted	Fully sealed	CUP 1	
5, 12, 24, 48	Hg	Metal or plastic cover potted	Fully sealed	CUP 5	
5, 12, 24	Hg	Metal or plastic cover potted	All position mounting, fully sealed	CUP 6	
5, 6, 12, 15, 24, 48	Ru	Metal cover potted	In line pin out	MRB	
5, 6, 12, 24	Ru	Metal cover potted	Fully sealed, multipole configuration	922A	
5, 12	Ru	Metal cover potted	High sensitivity, fully sealed, high isolation	MRBS	
5, 12, 24	Hg	Metal cover potted	Position sensitive mounting, fully sealed	HRM	
5, 12, 24	Hg	Metal cover potted	Position sensitive mounting, fully sealed, multipole configuration	HRB	
5, 12, 24	Hg	Metal cover potted	All position mounting, fully sealed, multipole configuration	MMRB	
5, 6, 12, 24, 48	Hg	Metal cover potted	High speed, low noise, bounce free operation	HGJM	
5, 6, 12, 24, 48	Hg	Metal cover potted	High speed, low noise, high board density, bounce free operation	HGWM	
5, 6, 12, 24, 48	Hg	Metal cover potted	High speed, bounce free operation	HGSM	
5, 6, 12, 24, 48	Hg	Metal cover potted	High speed, low noise, bounce free operation	HGRM	
5, 6, 12, 24, 48	Hg	Metal cover potted	High speed, low noise, bounce free operation	HGSR	
5, 12, 24, 48	Hg	Metal cover potted	250 VA switching capability, bounce free operation	HG	



CONTACT SPECIFICATIONS

Switch 01 Switch 02 Switch 01 Switch 02

Switching Voltage (V _{DC})	200	200/300	200	200	200/300	200	200	200
Switching Current (A)	0.5	1.5	0.5	1.5	0.5	0.5	0.5	0.5
Carry Current (A)	1.5	2.5	1.5	2.5	1.5	1.5	1.5	1.5
Contact Rating (VA)	10	70	10	70	10	10	10	10
Life Expectancy (Ops)	1 x 10 ⁹	1 x 10 ⁹	1 x 10 ⁹	1 x 10 ⁹	1 x 10 ⁹	1 x 10 ⁹	1 x 10 ⁹	1 x 10 ⁹
Contact Resistance (Max. Ohms)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Contact Material	Ru	Rh	Ru	Rh	Ru	Ru	Ru	Ru

SWITCH SPECIFICATIONS

Insulation Resistance (Ohms)	1 x 10 ¹¹	1 x 10 ¹²	1 x 10 ¹¹	1 x 10 ¹²	1 x 10 ¹¹	1 x 10 ¹¹	1 x 10 ¹¹	1 x 10 ¹¹
Operate Time (ms)	0.5	0.8	0.5	0.8	0.5	0.5	0.5	0.5
Release Time (ms)	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.2

ENVIRONMENTAL SPECIFICATIONS

Storage Temperature (°C)	-20 to +85	-20 to +85	-20 to +85	-20 to +85	-40 to +85	-20 to +85	-20 to +85	-20 to +85
Operating Temperature (°C)	-20 to +85	-20 to +85	-20 to +85	-20 to +85	-40 to +85	-20 to +85	-20 to +85	-20 to +85
Vibration Resistance (Gs)	20	20	20	20	20	20	20	20
Shock Resistance (Gs)	30	30	30	30	30	30	30	30

Body Size	88		35		23.02		24.70	
	88		35		25.20		25.20	
	-		-		7.5		18.0	
Width mm	-		-		-		5.00	
Height mm	18		-		6.00		7.00	
Body Color	Black/White	Black/White	White	White	Black	Black/Grey	Black	Grey/White Black/Brown
Wire Length mm	300	300	300	300	300	300	300	300
Wire Color	Black	Black	Black/Red	Black/Red	Black/Red	Black/Red	Black/Red	Black/White
Wire AWG	24	24	24	24	24	24	24	24
Weight (g)	22	49	9.7	49	3.1	3.1	21.1	48