

SANYU Part / No.		S-R1 * * N	S-R1 * * ND	S-1 * * LDN	S-1 * * LDN1	S-1 * * NME	
TPM Part / No.		20R-1A * 1N1		20D-1A * 1E1		20D-1A * 5N1 *	
外觀形狀 Appearance							
尺寸 Size (LxWxH) mm		20 x 5.0 x 6.0	20 x 5.0 x 6.0	20 x 5.0 x 6.7	20 x 5.0 x 6.7	20 x 5.0 x 6.0	
回路接續圖 Figure. (TOP VIEW)							
電氣規格	接點構成 Contact Form	1A	1A	1A (附LED&Diode)	1A (附LED&Diode)	1A	
	線圈電壓 / 阻抗 Coil Rating Voltage	5V / 160Ω 12V / 600Ω	5V / 200Ω 12V / 1000Ω	5V / 160Ω 12V / 600Ω	5V / 160Ω 12V / 600Ω	5V / 160Ω 12V / 600Ω	
	接點容量 (max) Contact Rating	10W	10W	10W	10W	10W	
	切換電流 (max) Contact Current	0.5A	0.5A	0.5A	0.5A	0.5A	
	通電電流 (max) Carry Current	1.0A	1.0A	1.0A	1.0A	1.0A	
	切換電壓 (max) Switching Voltage	200VDC	200VDC	200VDC	200VDC	100VDC	
	接點間耐電壓 Contact Voltage	250VDC	250VDC	200VDC	200VDC	200VDC	
	接點阻抗 (max) Contact Resistance	150 mΩ	150 mΩ	150 mΩ	150 mΩ	150 mΩ	
	絕緣阻抗(各導體相互間) Insulation Resistance	10 ¹¹ Ω	10 ¹¹ Ω	10 ¹⁰ Ω	10 ¹⁰ Ω	10 ¹¹ Ω	
	動作時間 (max) Operate Time	0.35ms	0.35ms	0.35ms	0.35ms	0.35ms	
	回復時間 (max) Release Time	0.25ms	0.25ms	0.25ms	0.25ms	0.25ms	
壽命	機械壽命 (min) Mechanical Life	1.5×10 ⁹	1.5×10 ⁹	1×10 ⁹	1×10 ⁹	1.5×10 ⁹	
	電氣壽命 (代表例) Electrical Life	DC.10V,10mA 1×10 ⁸ (R負荷)	DC.10V,10mA 1×10 ⁸ (R負荷)	DC.10V,10mA 1×10 ⁸ (R負荷)	DC.10V,10mA 1×10 ⁸ (R負荷)	DC.10V,10mA 1×10 ⁸ (R負荷)	
高周波特性	T.D.R Impedance	DC~500MHz/50Ω	DC~500MHz/50Ω	DC~500MHz/50Ω	DC~500MHz/50Ω	DC~1.5GHz/50Ω	
	Return Loss (Typ)	200 MHz	18.0 dB	21.0 dB	19.0 dB	19.0 dB	18.0dB @500MHz
		500 MHz	11.0 dB	14.0 dB	12.0 dB	12.0 dB	26.5dB @1.5GHz
	Insertion Loss (Typ)	200 MHz	0.32 dB	0.32 dB	0.32 dB	0.32 dB	0.36dB @500MHz
		500 MHz	0.80 dB	0.52 dB	0.75 dB	0.75 dB	0.62dB @1.5GHz
	Isolation Loss (Typ)	200 MHz	36.0 dB	36.0 dB	35.0 dB	35.0 dB	27.8dB @500MHz
		500 MHz	26.0 dB	26.0 dB	26.0 dB	26.0 dB	17.4dB @1.5GHz
	Rise Time (Typ)	380ps	360ps	380ps	380ps	126ps	
	Capacitance (Open Contact)						
	Capacitance (Contact of shield)						
Test Report					P96		
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TPM

Mini DIP Type Reed Relay

SANYU Part / No.	RS-1**NC	S-1**LDNC	S-2**N	S-1**TL	S-1**LDTL		
TPM Part / No.	20R-1A*2N1		20D-2A*1N1	20D-1C*1TL			
外觀形狀 Appearance							
尺寸 Size (LxWxH) mm	20 x 5.0 x 6.0	20 x 5.0 x 6.7	20 x 7.6 x 6.0	20 x 5.0 x 6.0	20 x 5.0 x 6.7		
回路接續圖 Figure. (TOP VIEW)							
電氣規格	接點構成 Contact Form	1A	1A (附LED&Diode)	2A	1C (附LED&Diode)		
	線圈電壓 / 阻抗 Coil Rating Voltage	5V / 160Ω 12V / 600Ω	5V / 160Ω 12V / 600Ω	5V / 150Ω 12V / 600Ω	5V / 100Ω 12V / 500Ω	5V / 120Ω 12V / 600Ω	
	接點容量 (max) Contact Rating	10W	10W	10W	3W	3W	
	切換電流 (max) Contact Current	0.5A	0.5A	0.5A	0.2A	0.2A	
	通電電流 (max) Carry Current	1.0A	1.0A	1.0A	0.5A	0.5A	
	切換電壓 (max) Switching Voltage	100VDC	100VDC	100VDC	30VDC	30VDC	
	接點間耐電壓 Contact Voltage	200VDC	200VDC	200VDC	200VDC	200VDC	
	接點阻抗 (max) Contact Resistance	150 mΩ	150 mΩ	150 mΩ	200 mΩ	150 mΩ	
	絕緣阻抗(各導體相互間) Insulation Resistance	10 ¹¹ Ω	10 ¹¹ Ω	10 ¹¹ Ω	10 ¹⁰ Ω	10 ¹¹ Ω	
	動作時間 (max) Operate Time	0.35ms	0.35ms	0.50ms	2.0ms	1.5ms	
	回復時間 (max) Release Time	0.25ms	0.25ms	0.50ms	2.5ms	2.0ms	
壽命	機械壽命 (min) Mechanical Life	1×10 ⁹	1×10 ⁹	1×10 ⁹	5×10 ⁷	5×10 ⁷	
	電氣壽命 (代表例) Electrical Life	DC.10V,10mA 1×10 ⁸ (R負荷)	DC.10V,10mA 1×10 ⁸ (R負荷)	DC.10V,10mA 1×10 ⁸ (R負荷)	DC.1V,10mA 5×10 ⁷ (R負荷)	DC.1V,10mA 5×10 ⁷ (R負荷)	
高周波特性	T.D.R Impedance	DC~500MHz/50Ω	DC~500MHz/50Ω	DC~500MHz/50Ω	DC~500MHz/50Ω	DC~500MHz/50Ω	
	Return Loss (Typ)	200 MHz	21.0 dB		21.0 dB	26.0 dB	20.0 dB
		500 MHz	14.0 dB		13.0 dB	14.0 dB	14.0 dB
	Insertion Loss (Typ)	200 MHz	0.32 dB		0.30 dB	0.28 dB	0.26 dB
		500 MHz	0.52 dB		0.52 dB	0.62 dB	0.75 dB
	Isolation Loss (Typ)	200 MHz	36.0 dB		36.0 dB	26.0 dB	28.0 dB
		500 MHz	26.0 dB		26.0 dB	19.0 dB	21.0 dB
	Rise Time (Typ)		360ps		360ps	370ps	370ps
	Capacitance (Open Contact)						
	Capacitance (Contact of shield)						
Test Report							
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SANYU Part / No.		S-1* *LDT	ST-1* *LDT	S-1* *(D)TA	ST-1* *A	ST-1* *LDA
TPM Part / No.				20D-1C*2E0	21D-1E*2*0	21D-1E*2E0
外觀形狀 Appearance						
尺寸 Size (LxWxH) mm		20 x 5.0 x 6.7	20 x 5.0 x 9.5	20 x 5.0 x 6.0	20 x 5.0 x 9.0	20 x 5.0 x 9.5
回路接續圖 Figure. (TOP VIEW)						
電氣規格	接點構成 Contact Form	1C (附LED&Diode)	1T(1A+1B) (附LED&Diode)	1C	1T(1A+1B)	1T(1A+1B) (附LED&Diode)
	線圈電壓 / 阻抗 Coil Rating Voltage	5V / 120Ω 12V / 600Ω	5V / 90Ω 12V / 600Ω	5V / 120Ω 12V / 600Ω	5V / 90Ω 12V / 600Ω	5V / 90Ω 12V / 600Ω
	接點容量 (max) Contact Rating	3W	10W	3W	10W	10W
	切換電流 (max) Contact Current	0.2A	0.5A	0.2A	0.5A	0.5A
	通電電流 (max) Carry Current	0.5A	1.0A	0.5A	1.0A	1.0A
	切換電壓 (max) Switching Voltage	30VDC	100VDC	30VDC	100VDC	100VDC
	接點間耐電壓 Contact Voltage	200VDC	200VDC	200VDC	200VDC	200VDC
	接點阻抗 (max) Contact Resistance	150 mΩ	150 mΩ	150 mΩ	150 mΩ	150 mΩ
	絕緣阻抗(各導體相互間) Insulation Resistance	10 ¹¹ Ω	10 ¹⁰ Ω	10 ¹¹ Ω	10 ¹⁰ Ω	10 ¹⁰ Ω
	動作時間 (max) Operate Time	1.5ms	1.0ms	1.5ms	1.0ms	1.0ms
	回復時間 (max) Release Time	2.0ms	1.0ms	2.0ms	1.0ms	1.0ms
壽命	機械壽命 (min) Mechanical Life	5×10 ⁷	1×10 ⁹	5×10 ⁷	1×10 ⁹	1×10 ⁹
	電氣壽命 (代表例) Electrical Life	DC.1V,10mA 5×10 ⁷ (R負荷)	DC.10V,10mA 1×10 ⁸ (R負荷)	DC.1V,10mA 5×10 ⁷ (R負荷)	DC.10V,10mA 1×10 ⁸ (R負荷)	DC.10V,10mA 1×10 ⁸ (R負荷)
高周波特性	T.D.R Impedance				DC~1.0GHz/50Ω	DC~1.0GHz/50Ω
	Return Loss (Typ)	200 MHz			21.5dB @300MHz	21.5dB @300MHz
		500 MHz			22.9dB @1GHz	22.9dB @1GHz
	Insertion Loss (Typ)	200 MHz			0.34dB @300MHz	0.34dB @300MHz
		500 MHz			0.63dB @1GHz	0.63dB @1GHz
	Isolation Loss (Typ)	200 MHz			31.2dB @300MHz	31.2dB @300MHz
		500 MHz			22.5dB @1GHz	22.5dB @1GHz
	Rise Time (Typ)				183ps	183ps
	Capacitance (Open Contact)					
	Capacitance (Contact of shield)					
Test Report					P93	P93
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SANYU Part / No.		S-1 * * TS	ST-2C * * A	SH-12 * * N	25D-1A * 1 * *	25D-2A * 1 * *
TPM Part / No.						
外觀形狀 Appearance						
尺寸 Size (LxWxH) mm		20 x 5.0 x 6.0	20 x 5.0 x 9.0	20 x 5.0 x 9.0	20 x 5.0 x 6.0	20 x 7.8 x 6.0
回路接續圖 Figure. (TOP VIEW)						
電氣規格	接點構成 Contact Form	1C	2C	2A (1迴路2接點)	1A	2A
	線圈電壓 / 阻抗 Coil Rating Voltage	5V / 160Ω 12V / 600Ω	5V / 175Ω 12V / 1000Ω	5V	5V / 160Ω 12V / 600Ω	5V / 150Ω 12V / 600Ω
	接點容量 (max) Contact Rating	3W	3W	10W	10W	10W
	切換電流 (max) Contact Current	0.2A	0.2A	0.5A	0.5A	0.5A
	通電電流 (max) Carry Current	0.5A	0.5A	1.0A	1.0A	1.0A
	切換電壓 (max) Switching Voltage	30VDC	30VDC	100VDC	100VDC	100VDC
	接點間耐電壓 Contact Voltage	200VDC	100VDC	200VDC	200VDC	200VDC
	接點阻抗 (max) Contact Resistance	150 mΩ	150 mΩ	150 mΩ	150 mΩ	150 mΩ
	絕緣阻抗(各導體相互間) Insulation Resistance	10 ¹⁰ Ω	10 ⁹ Ω	10 ¹⁰ Ω	10 ^{11~13} Ω	10 ^{11~13} Ω
	動作時間 (max) Operate Time	1.5ms	1.5ms	0.35ms	0.5ms	0.5ms
	回復時間 (max) Release Time	2.0ms	2.0ms	0.25ms	0.5ms	0.5ms
壽命	機械壽命 (min) Mechanical Life	5×10 ⁷	1×10 ⁸	1×10 ⁸	1×10 ⁹	1×10 ⁹
	電氣壽命 (代表例) Electrical Life	DC.1V,10mA 5×10 ⁷ (R負荷)	DC.1V,10mA 5×10 ⁷ (R負荷)	DC.10V,10mA 1×10 ⁸ (R負荷)	DC.1V,10mA 1×10 ⁹ (R負荷)	DC.1V,10mA 1×10 ⁹ (R負荷)
高周波特性	T.D.R Impedance			DC~500MHz/50Ω		
	Return Loss (Typ)	200 MHz		26.0 dB		
		500 MHz		20.0 dB		
	Insertion Loss (Typ)	200 MHz		0.20 dB		
		500 MHz		0.35 dB		
	Isolation Loss (Typ)	200 MHz		35.0 dB		
		500 MHz		27.0 dB		
	Rise Time (Typ)			440ps		
	Capacitance (Open Contact)					
	Capacitance (Contact of shield)					
Test Report						
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