
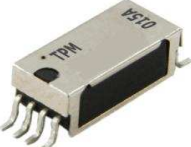


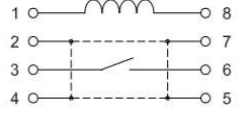
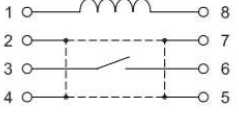
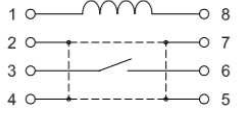
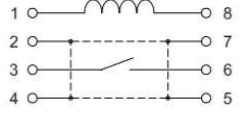
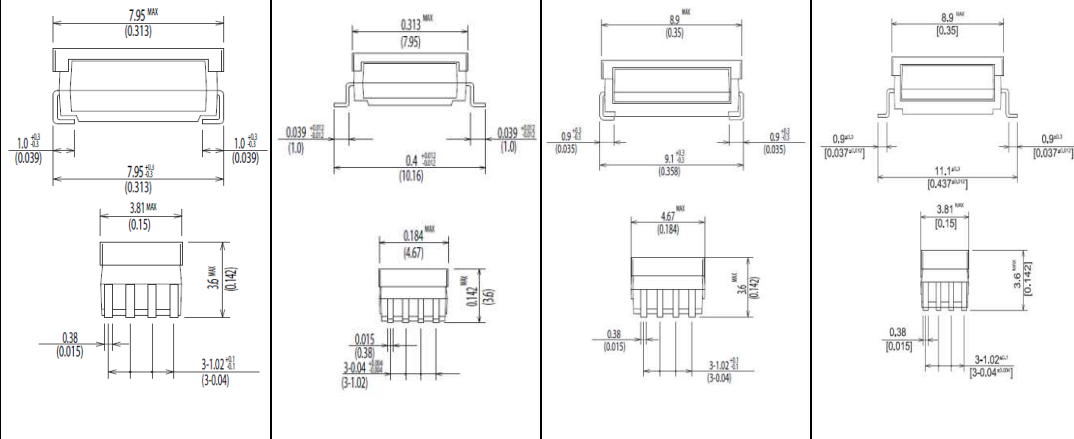




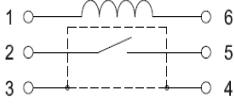
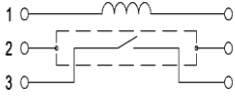
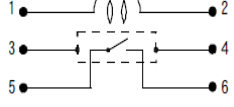
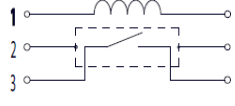
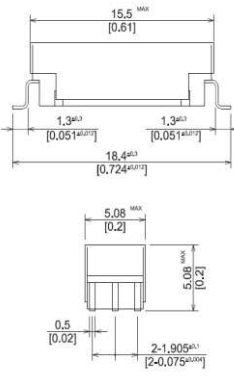
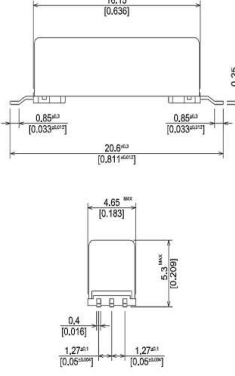
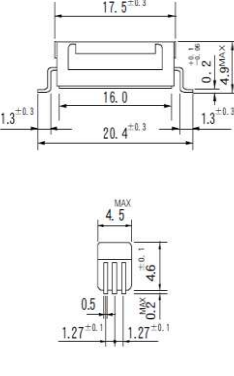
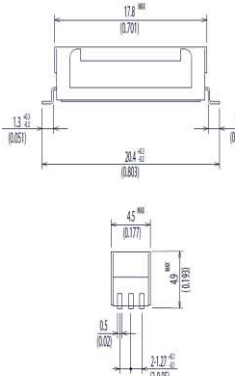


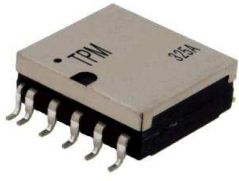
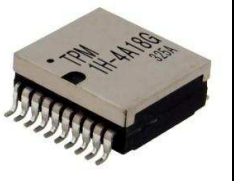


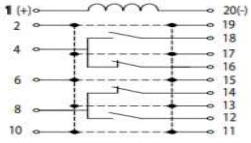
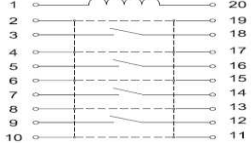
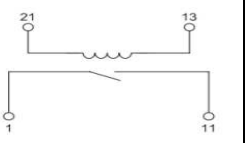
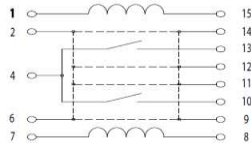
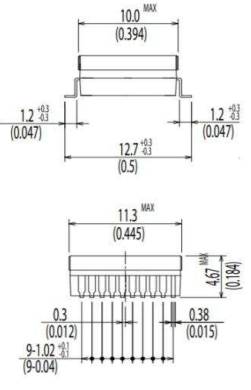
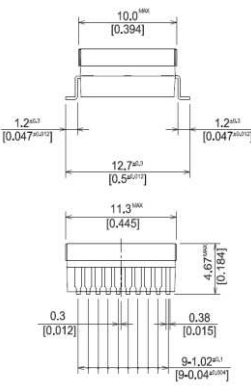
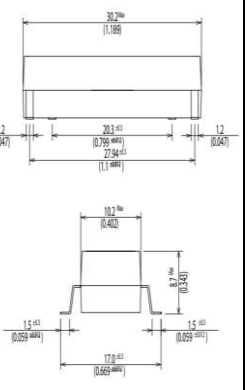
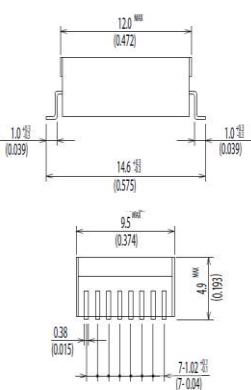
TPM Part / No.	2H-□4WJ	2R-□4G		9H-□4G	
SANYU Part / No.			CJ-E1○○RF		
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm	7.9 x 3.8 x 3.6	10.1 x 4.6 x 3.6	9.1 x 4.6 x 3.6	11.1 x 3.8 x 3.6	
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	1 Form A	1 Form A	1 Form A	
	Coil Rating Voltage	3.3 V / 60Ω 5 V / 100Ω	3.3 V / 90Ω 5 V / 150Ω	3.3 V / 90Ω 5 V / 150Ω	3.3 V / 100Ω 5 V / 200Ω
	Contact Rating	3 W	3 W	10 W	10 W
	Contact Current	0.2 Amp	0.2 Amp	0.5 Amp	0.5 Amp
	Carry Current	0.2 Amp	0.2 Amp	1.0 Amp	1.0 Amp
	Switching Voltage	100 VDC	100 VDC	100 VDC	100 VDC
	Contact Voltage	150 VDC	150 VDC	200 VDC	200 VDC
	Contact Resistance	200 mΩ	200 mΩ	150 mΩ	150 mΩ
	Insulation Resistance	10 <sup>12</sup> Ω min.	10 <sup>12</sup> Ω min.	10 <sup>12</sup> Ω min.	10 <sup>12</sup> Ω min.
	Operate Time	0.25 mS	0.25 mS	0.3 mS	0.3 mS
	Release Time	0.05 mS	0.05 mS	0.05 mS	0.05 mS
	Operating temperature				
Reflow temperature		260 °C max for 60sec.	260 °C max for 60sec.	260 °C max for 60sec.	
電氣壽命 (代表例) Electrical Life	DC.1.0V,10mA 300×10 <sup>6</sup> (R負荷)	DC.1.0V,10mA 300×10 <sup>6</sup> (R負荷)	DC.1.0V,10mA 300×10 <sup>6</sup> (R負荷)	DC.1.0V,10mA 300×10 <sup>6</sup> (R負荷)	
High-frequency response	<b>7.0GHz @ -2dB</b>	<b>8.0GHz @ -3dB</b>	<b>7.0GHz @ -3dB</b>	<b>4.0GHz @ -3dB</b>	
外觀尺寸 DIMENSION					
	<p>TPM Part Ordering Code : □ = 1 (5VDC); 2 (12VDC); 3 (24VDC); 5 (3.3VDC)</p> <p>SANYU Part Ordering Code: ○○ = 03 (3.3VDC); 05 (5VDC); 12 (12VDC); 24 (24VDC)</p>				

TPM Part / No.	1H-□4J	1D-14G	1EH-14G-63	1EH-12G1	
SANYU Part / No.					
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm	10.1 x 4.6 x 4.5	12.7 x 4.6 x 4.5	12.7 x 4.6 x 4.5	12.7 x 4.6 x 4.5	
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	1 Form A	1 Form A	1 Form A	
	Coil Rating Voltage	3.3 V / 80Ω 5 V / 150Ω 12 V / 500Ω	5 V / 150Ω	<b>5 V / 200Ω</b>	<b>5 V / 250Ω</b>
	Contact Rating	10 W	5 W	10 W	10 W
	Contact Current	0.5 Amp	0.2 Amp	0.5 Amp	0.5 Amp
	Carry Current	1.0 Amp	0.75 Amp	1.0 Amp	1.0 Amp
	Switching Voltage	100 VDC	50 VDC	100 VDC	100 VDC
	Contact Voltage	200 VDC	150 VDC	200 VDC	200 VDC
	Contact Resistance	150 mΩ	150 mΩ	150 mΩ	150 mΩ
	Insulation Resistance	10 <sup>12</sup> Ω min.	10 <sup>11</sup> Ω min.	10 <sup>12</sup> Ω min.	10 <sup>11</sup> Ω min.
	Operate Time	0.3 mS	0.3 mS	0.3 mS	0.3 mS
	Release Time	0.05 mS	0.05 mS	0.05 mS	0.05 mS
	Operating temperature				
Reflow temperature	260 °C max for 60sec.	230 °C max for 10sec.	250 °C max for 40sec.	250 °C max for 40sec.	
電氣壽命 (代表例) Electrical Life	DC.1.0V,10mA 300×10 <sup>6</sup> (R負荷)	DC.1.0V,10mA 300×10 <sup>6</sup> (R負荷)	DC.1.0V,10mA 300×10 <sup>6</sup> (R負荷)	DC.1.0V,10mA 300×10 <sup>6</sup> (R負荷)	
High-frequency response	4.0GHz @ -3 dB	4.0GHz @ -3 dB	<b>6.0GHz @ -3 dB</b>	4.0GHz @ -3 dB	
外觀尺寸 DIMENSION					
	<p>TPM Part Ordering Code : □ = 1 (5VDC); 2 (12VDC); 3 (24VDC); 5 (3.3VDC)</p> <p>SANYU Part Ordering Code: ○○ = 03 (3.3VDC); 05 (5VDC); 12 (12VDC); 24 (24VDC)</p>				

TPM Part / No.	17EH-1A□2G-01	14E-1A12G-56		10H-1A□2G	
SANYU Part / No.		MSG-105AKE	MSG-105AK		
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm	18.4 x 5.0 x 5.0	20.4 x 4.6 x 5.3	20.4 x 4.5 x 4.9	20.4 x 4.5 x 4.9	
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	1 Form A	1 Form A	1 Form A	
	Coil Rating Voltage	5 V / 200Ω 12 V / 825Ω	5 V / 160Ω	5 V / 160Ω	5 V / 160Ω 12 V / 600Ω
	Contact Rating	<b>30 W</b>	10 W	10 W	<b>30 W</b>
	Contact Current	0.5 Amp	0.5 Amp	0.5 Amp	0.5 Amp
	Carry Current	<b>1.3 Amp</b>	1.0 Amp	1.0 Amp	<b>1.3 Amp</b>
	Switching Voltage	200 VDC	100 VDC	100 VDC	200 VDC
	Contact Voltage	300 VDC	200 VDC	200 VDC	300 VDC
	Contact Resistance	150 mΩ	150 mΩ	150 mΩ	150 mΩ
	Insulation Resistance	10 <sup>12</sup> Ω min.	10 <sup>12</sup> Ω min.	10 <sup>11</sup> Ω min.	10 <sup>12</sup> Ω min.
	Operate Time	0.4 mS	0.5 mS	0.5 mS	0.5 mS
	Release Time	0.2 mS	0.2 mS	0.3 mS	0.3 mS
	Operating temperature				
Reflow temperature	245 °C max for 40sec.	230 °C max for 10sec.	230 °C max for 10sec.	260 °C max for 60sec.	
電氣壽命 (代表例) Electrical Life	<b>DC.1.0V,10mA</b> <b>1500×10<sup>6</sup> (R負荷)</b>	<b>DC.1.0V,10mA</b> <b>1000×10<sup>6</sup> (R負荷)</b>	<b>DC.1.0V,10mA</b> <b>1000×10<sup>6</sup> (R負荷)</b>	<b>DC.1.0V,10mA</b> <b>1500×10<sup>6</sup> (R負荷)</b>	
High-frequency response	2.0GHz @ -3 dB	2.5GHz @ -3 dB	2.5GHz @ -3 dB	2.5GHz @ -3 dB	
外觀尺寸 DIMENSION					
TPM Part Ordering Code : □ = 1 (5VDC); 2 (12VDC); 3 (24VDC); 5 (3.3VDC)					
SANYU Part Ordering Code: ○○ = 03 (3.3VDC); 05 (5VDC); 12 (12VDC); 24 (24VDC)					

TPM Part / No.	1EH-2A□2J		3H-2A□6J	10H-2A□2G	
SANYU Part / No.		MG-E2○○AH			
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm	10.1 x 5.0 x 8.2	12.7 x 6.7 x 4.9	10.8 x 6.7 x 5.1	20.4 x 7.0 x 4.9	
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	2 Form A	2 Form A	2 Form A	
	Coil Rating Voltage	3.3 V / 70Ω 5 V / 110Ω 12 V / 550Ω	3.3 V / 70Ω 5 V / 110Ω 12 V / 550Ω	3.3 V / 70Ω 5 V / 110Ω 12 V / 550Ω	5 V / 140Ω 12 V / 600Ω
	Contact Rating	10 W	10 W	10 W	<b>30 W</b>
	Contact Current	0.5 Amp	0.5 Amp	0.5 Amp	0.5 Amp
	Carry Current	1.0 Amp	1.0 Amp	1.0 Amp	<b>1.3 Amp</b>
	Switching Voltage	100 VDC	100 VDC	100 VDC	200 VDC
	Contact Voltage	200 VDC	200 VDC	200 VDC	300 VDC
	Contact Resistance	150 mΩ	150 mΩ	150 mΩ	150 mΩ
	Insulation Resistance	10 <sup>11</sup> Ω min.	10 <sup>11</sup> Ω min.	10 <sup>12</sup> Ω min.	10 <sup>12</sup> Ω min.
	Operate Time	0.5 mS	0.5 mS	0.5 mS	0.5 mS
	Release Time	0.5 mS	0.5 mS	0.5 mS	0.5 mS
	Operating temperature				
Reflow temperature	245 °C max for 40sec.	260 °C max for 60sec.	260 °C max for 60sec.	260 °C max for 60sec.	
電氣壽命 (代表例) Electrical Life	DC.1.0V,10mA 300×10 <sup>6</sup> (R負荷)	DC.1.0V,10mA 300×10 <sup>6</sup> (R負荷)	DC.1.0V,10mA 300×10 <sup>6</sup> (R負荷)	<b>DC.1.0V,10mA 1500×10<sup>6</sup> (R負荷)</b>	
High-frequency response	3.0GHz @ -3 dB	4.5GHz @ -3 dB	5.0GHz @ -3 dB	2.5GHz @ -3 dB	
外觀尺寸 DIMENSION					
	<p>TPM Part Ordering Code : □ = 1 (5VDC); 2 (12VDC); 3 (24VDC); 5 (3.3VDC)</p> <p>SANYU Part Ordering Code: ○○ = 03 (3.3VDC); 05 (5VDC); 12 (12VDC); 24 (24VDC)</p>				

TPM Part / No.	190H-2A□2J-80	1H-1T□3G	3H-□5G	190H-1T□2J	
SANYU Part / No.					
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm	27.0 x 11.5 x 8.9	12.7 x 5.0 x 7.9	12.7 x 7.6 x 4.9	27.0 x 11.5 x 8.9	
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	2 Form A	1 Form C (1A+1B)	1 Form C (1A+1B)	
	Coil Rating Voltage	5 V / 150Ω	3.3 V / 70Ω 5 V / 110Ω 12 V / 550Ω	3.3 V / 70Ω 5 V / 110Ω 12 V / 550Ω	5 V / 150Ω 12 V / 800Ω 24 V / 3000Ω
	Contact Rating	<b>50 W</b>	10 W	10 W	<b>50 W</b>
	Contact Current	<b>1.0 Amp</b>	0.5 Amp	0.5 Amp	0.5 Amp
	Carry Current	<b>2.8 Amp</b>	1.0 Amp	1.0 Amp	<b>2.8 Amp</b>
	Switching Voltage	350 VDC	100 VDC	100 VDC	350 VDC
	Contact Voltage	400 VDC	200 VDC	200 VDC	400 VDC
	Contact Resistance	150 mΩ	150 mΩ	150 mΩ	150 mΩ
	Insulation Resistance	10 <sup>11</sup> Ω min.	10 <sup>12</sup> Ω min.	10 <sup>12</sup> Ω min.	10 <sup>11</sup> Ω min.
	Operate Time	1.5 mS	0.5 mS	0.5 mS	1.5 mS
	Release Time	1.0 mS	0.5 mS	0.5 mS	1.5 mS
	Operating temperature				
	Reflow temperature	260 °C max for 60sec.	260 °C max for 60sec.	260 °C max for 60sec.	260 °C max for 60sec.
電氣壽命 (代表例) Electrical Life	<b>DC.1.0V,10mA</b> <b>1000×10<sup>6</sup> (R負荷)</b>	DC.1.0V,10mA 300×10 <sup>6</sup> (R負荷)	DC.1.0V,10mA 300×10 <sup>6</sup> (R負荷)	<b>DC.1.0V,10mA</b> <b>1000×10<sup>6</sup> (R負荷)</b>	
High-frequency response	1.0GHz @ -3dB	3.0GHz @ -3 dB	3.5GHz @ -3 dB	1.0GHz @ -3dB	
外觀尺寸 DIMENSION					
TPM Part Ordering Code : □ = 1 (5VDC); 2 (12VDC); 3 (24VDC); 5 (3.3VDC)					
SANYU Part Ordering Code: ○○ = 03 (3.3VDC); 05 (5VDC); 12 (12VDC); 24 (24VDC)					

TPM Part / No.	1H-2T□8G	1H-4A□8G	113D-1A□0N2G	1H-2M□2G	
SANYU Part / No.					
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm	12.7 x 11.3 x 4.6	12.7 x 11.3 x 4.6	30.2 x 17.0 x 8.7	14.6 x 9.5 x 4.9	
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	2 Form C (A+B)	4 Form A	1 Form A	2 Form A
	Coil Rating Voltage	5 V / 110Ω 12 V / 550Ω	5 V / 110Ω 12 V / 550Ω	5 V / 80Ω 12 V / 500Ω	5 V / 150Ω 12 V / 500Ω
	Contact Rating	10 W	10 W	<b>100 W</b>	10 W
	Contact Current	0.5 Amp	0.5 Amp	<b>1.0 Amp</b>	0.5 Amp
	Carry Current	1.0 Amp	1.0 Amp	<b>2.8 Amp</b>	1.0 Amp
	Switching Voltage	100 VDC	100 VDC	<b>1000 VDC</b>	100 VDC
	Contact Voltage	200 VDC	200 VDC	<b>3000 VDC</b>	200 VDC
	Contact Resistance	150 mΩ	150 mΩ	150 mΩ	150 mΩ
	Insulation Resistance	10 <sup>12</sup> Ω min.	10 <sup>11</sup> Ω min.	10 <sup>12</sup> Ω min.	10 <sup>12</sup> Ω min.
	Operate Time	0.3 mS	0.3 mS	1.5 mS	0.5 mS
	Release Time	0.2 mS	0.2 mS	1.5 mS	0.5 mS
	Operating temperature				
Reflow temperature	260 °C max for 60sec.	260 °C max for 60sec.	260 °C max for 60sec.	260 °C max for 60sec.	
電氣壽命 (代表例) Electrical Life	DC.1.0V,10mA 300×10 <sup>6</sup> (R負荷)	DC.1.0V,10mA 300×10 <sup>6</sup> (R負荷)	DC.1.0V,10mA 100×10 <sup>6</sup> (R負荷)	DC.1.0V,10mA 100×10 <sup>6</sup> (R負荷)	
High-frequency response	<b>4.0GHz @ -3 dB</b>	<b>8.0GHz @ -3dB</b>		2.0GHz @ -3dB	
外觀尺寸 DIMENSION					
TPM Part Ordering Code : □ = 1 (5VDC); 2 (12VDC); 3 (24VDC); 5 (3.3VDC)					
SANYU Part Ordering Code: ○○ = 03 (3.3VDC); 05 (5VDC); 12 (12VDC); 24 (24VDC)					