

Specifications

RoHS Compliant

Model Name: J-1xxXD

Description: Single In-line Package

Contact Form: 1 Form A

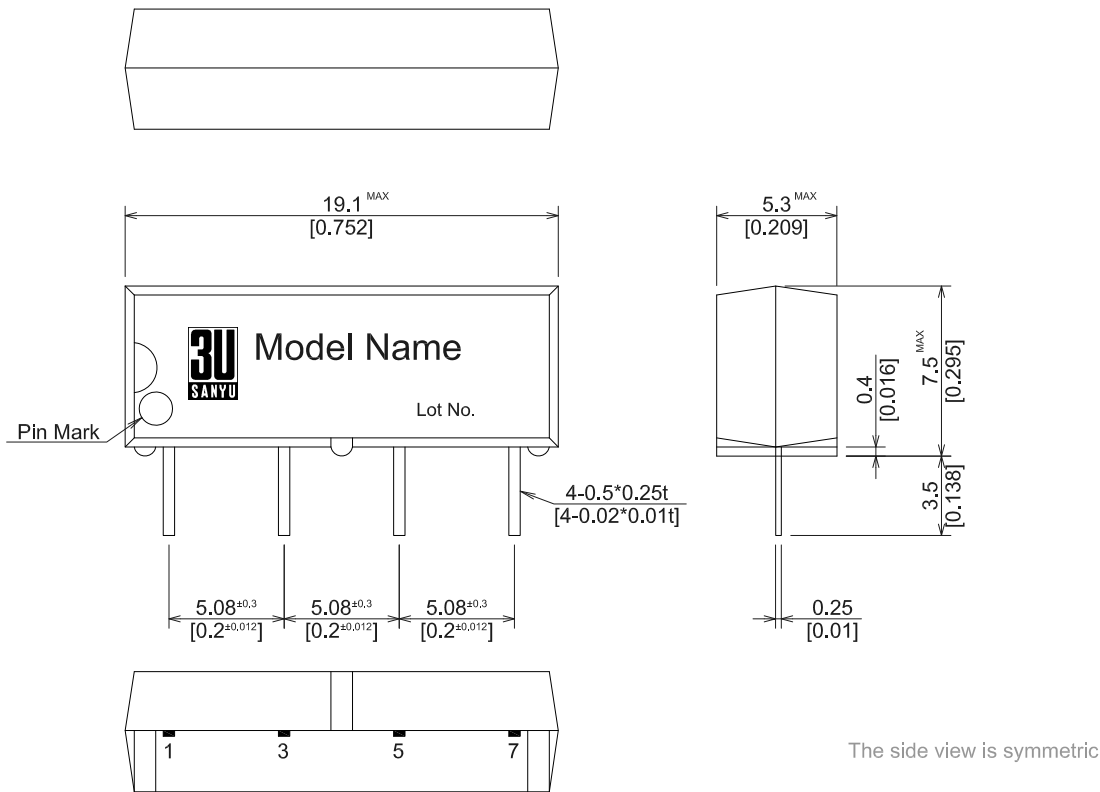
w/Diode

Coil Spec		J-105XD			J-112XD						
Test Parameters	Test Conditions	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max	Units
Coil Voltage			5.0			12.0					VDC
Coil Resistance	+/-10% 20°C		500			1000					Ω
Must Operate	at 20°C			3.75			8.8				VDC
Must Release	at 20°C	0.7			1.2						VDC
Electrical											
Test Parameters		Test Conditions						Min	Nom	Max	Units
Switching Voltage		DC/Peak AC Resist								100	V
Switching Current		DC/Peak AC Resist								0.5	A
Carry Current	at 30 °C	DC/Peak AC Resist								1.0	A
Contact Rating		DC/Peak AC Resist								10	W
Life Expectancy	at 20 °C	at 1V 10mA						100			×10 ⁶ Cycle
Contact Resistance		Max Initial Operate Voltage								150	mΩ
Contact Resistance Stability		Max Initial Operate Voltage								5	mΩ
Insulation Resistance	Between Contacts	at 100 V 20 °C 65 %Rh						10 ¹⁰			Ω
	Contacts to Coil							10 ¹⁰			Ω
Dielectric Strength (Static)	Between Contacts	DC						200			V
	Contacts to Coil	DC						1400			V
Operate Time	(Including Bounce)	100 Hz		at Nominal Coil Voltage						0.5	ms
Release Time		Square Wave		Diode Suppression						0.5	ms
Environmental											
Operate Temperature								-20		80	°C
Storage Temperature								-40		85	°C
Operate Humidity								25		75	%Rh
Vibration		2000 Hz								20	G's
Shock										50	G's
Measurement Reference Condition		Temperature						15		35	°C
		Humidity						25		75	%Rh
		Atmospheric Pressure						860		1060	hPa

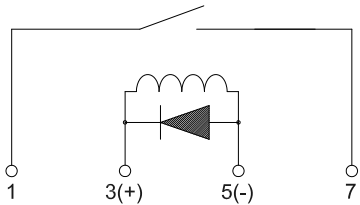
Dimensions		Packaging			CHAR	H.Yano
A-J1017		C-J0028S			CHK	S.Terao
Note					APPR	J.Morinaga
					ISSUED	2012/2/6
REV	2	Added packaging specification			CHAR	S.Fukuhara
					APPR	S.Terao
					DATE	2012/9/10

DIMENSIONS

All Dimensions are measured in millimeters(inch)



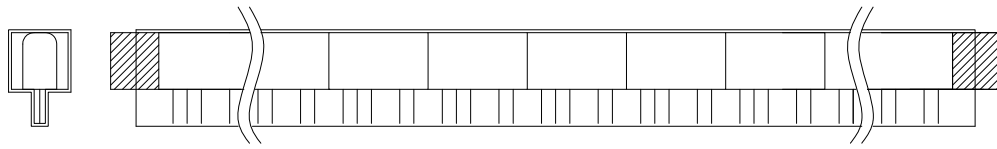
SCHEMATIC <TOP VIEW>



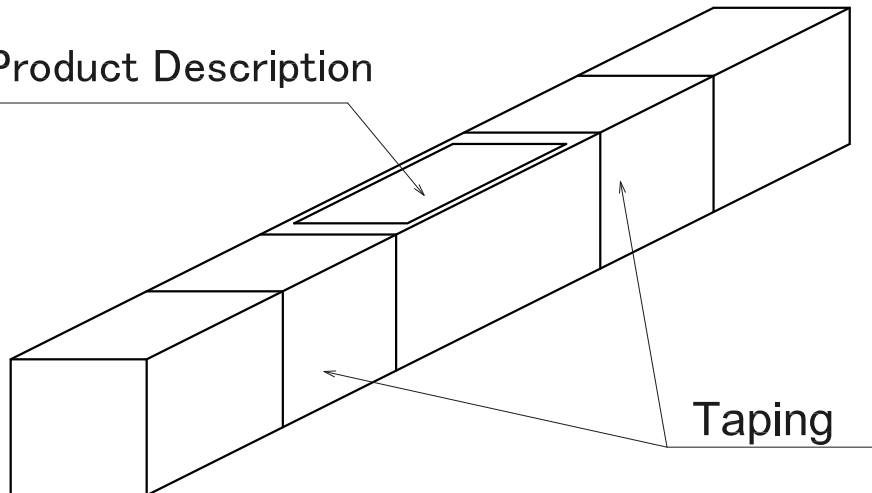
(Pin mark(●) corresponds to the terminal number 1.)
(Coil polarities,(+) and (-).)

1	12. 2. 3	New enrollment	H.Yano	J.Morinaga		
ISSUED	DATE	DESCRIPTION	CHAR	APPD	SCALE	MODEL
					n/s	J-1A series
REVISIONS					TITLE	DIMENSIONS
DRAFTING	ENGINEER	CHAR	CHK	APPD	UNIT	3U SANYU SANYU SWITCH CO., LTD.
H.Yano	H.Yano	H.Yano	S.Terao	J.Morinaga	mm (inch)	

Packaging Specification



Product Description



Packaging Quantity

28 pcs / Stick

2	12.09.10	Changed Format	S.Fukuhara	S.Terao	SCALE n/s	MODEL TYPE	J-1A series
1	11.04.27	New enrollment	S.Fukuhara	J.Morinaga		TITLE	Packaging
REVISIONS					UNIT mm [inch]	 SANYU SWITCH CO.,LTD	
DRAFTING	ENGINEER	CHAR	CHK	APPD			
S.Fukuhara	S.Fukuhara	S.Fukuhara	S.Terao	J.Morinaga			