

# Specifications

RoHS Compliant

Model Name: UPM-162xxYHL

Description: PCB Mount / High Breakdown Voltage

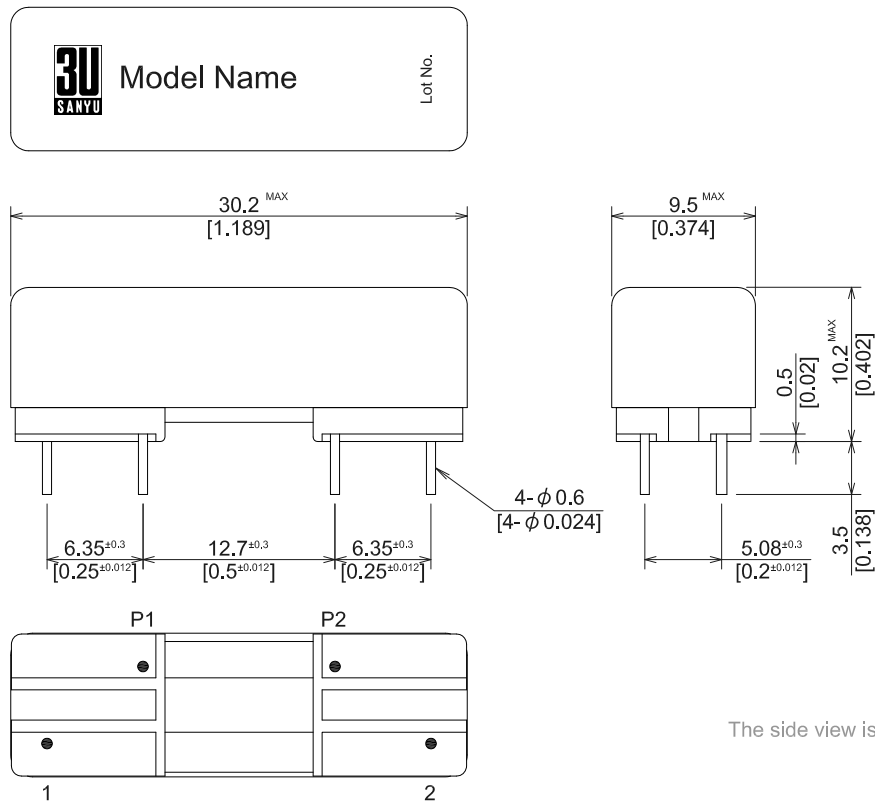
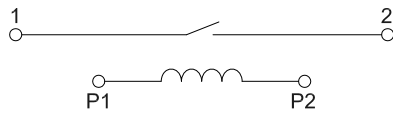
Contact Form: 1 Form A

Coil Spec		UPM-16205YHL			UPM-16212YHL			UPM-16224YHL			
Test Parameters	Test Conditions	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max	Units
Coil Voltage			5.0			12.0			24.0		VDC
Coil Resistance	+/-10% 20°C		120			600			1800		Ω
Must Operate	at 20°C			3.75			8.8			17.6	VDC
Must Release	at 20°C	0.7			1.2			2.4			VDC
Electrical											
Test Parameters		Test Conditions						Min	Nom	Max	Units
Switching Voltage		DC/Peak AC Resist								1000	V
Switching Current		DC/Peak AC Resist								1.0	A
Carry Current	at 30 °C	DC/Peak AC Resist								2.8	A
Contact Rating		DC/Peak AC Resist								100	W
Life Expectancy	at 20 °C	at 1V 10mA						100			×10 <sup>6</sup> 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 <sup>10</sup>			Ω
	Contacts to Coil							10 <sup>10</sup>			Ω
Dielectric Strength (Static)	Between Contacts	DC						2500			V
	Contacts to Coil	DC						3000			V
Operate Time	(Including Bounce)	100 Hz		at Nominal Coil Voltage						1.5	ms
Release Time		Square Wave		Diode Suppression						1.5	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						CHAR	H.Yano		
A-P1011						CHK	S.Terao		
Note							APPR	J.Morinaga	
							ISSUED	2012/2/23	
REV	1	New enrollment(Changed the format from S-P0002, subject to databasing.)						CHAR	H.Yano
								APPR	J.Morinaga
								DATE	2012/2/27

DIMENSIONS

All Dimensions are measured in millimeters(inch)

SCHEMATIC <TOP VIEW>

1	12. 2.21	New enrollment	H.Yano	J.Morinaga		
ISSUED	DATE	DESCRIPTION	CHAR	APPD	SCALE	MODEL
					n / s	UPM-1A series
REVISIONS						TITLE
DRAFTING	ENGINEER	CHAR	CHK	APPD	UNIT	DIMENSIONS
H.Yano	H.Yano	H.Yano	S.Terao	J.Morinaga	mm ( inch )	
						SANYU SWITCH CO., LTD.