

Surface Mount Reed Relays (1)

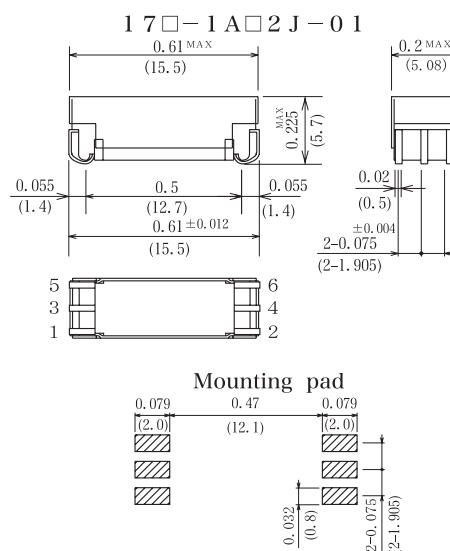
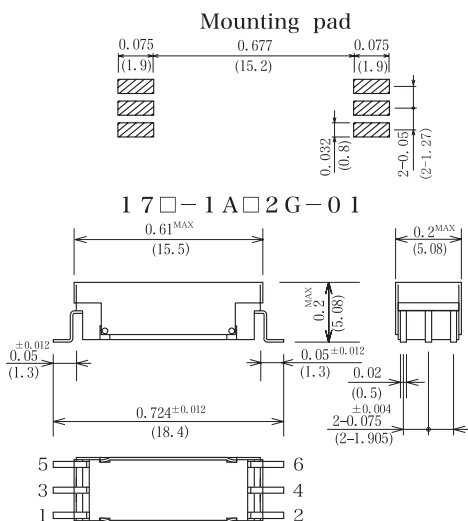
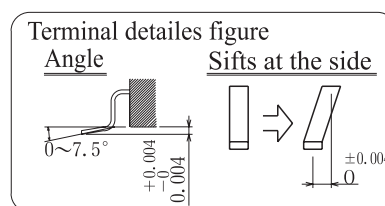
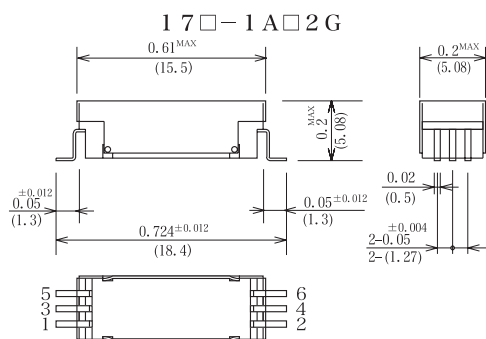


The 17 Series is the middle range 10W contact rating Sanyu SMT product line. This product line comes in 1 Form A arrangement. These relays provide the high-cycle support demanded by the ATE and network communications.

- High RF performance
- Impedance 50Ω
- High insulation resistance up to 10^{11}

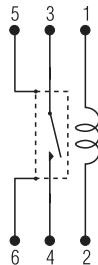
Mechanical Dimensions

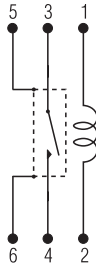
All dimensions are measured
in inches (millimeters).



Please let our Sales Department know when the packing with tape-and-reel for 17□ type will be needed.

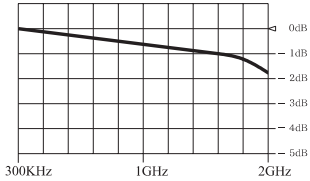


17D, 17R Series			50Ω Coaxial		50Ω Coaxial		50Ω Coaxial		50Ω Coaxial	
			Model Number		Model Number		Model Number		Model Number	
			17D-1A□2G		17D-1A□2□-01		17R-1A□2G		17R-1A□2□-01	
Parameters	Test Condition	Units	1 Form A		1 Form A		1 Form A		1 Form A	
Coil Specifications										
Nominal coil voltage		VDC	5	12	5	12	5	12	5	12
Coil resistance	±10%at20°C	Ω	120	600	200	825	120	600	200	825
Operating voltage	15°C〜35°C	VDC Max	3.6	9.6	3.6	9.6	3.6	9.6	3.6	9.6
Release voltage	15°C〜35°C	VDC Min	0.7	1.2	0.7	1.2	0.7	1.2	0.7	1.2
Contact Ratings										
Switching voltage	Max. DC/Peak AC resistance	Volts	100				200			
Switching current	Max. DC/Peak AC resistance	Amps	0.5				0.5			
Carry current	Max. DC/Peak AC resistance	Amps	1.0				1.0			
Contact rating	Max. DC/Peak AC resistance	Watts	10				10			
Life expectancy	1V. 10mA	×10 ⁶ cycles	1000				1500			
Contact resistance	Maximum initial	mΩ	150				150			
Contact resistance stability	Maximum initial	mΩ	5.0				5.0			
Relay Specifications										
Insulation resistance	Between all isolated pins at 100V 20°C 40%RH	Ω	10 ¹¹							
Capacitance		pF-Max								
Across open contacts	Shield guarding		0.2							
Contact to Shield	Contacts open, Shield floating		1.5							
Open contact to coil	Shield guarding		0.6							
Dielectric strength	Between contacts	VDC	250							
	Contacts to shield		250							
Operating time	At nominal coil voltage,	msec	0.5							
(Including. bounce)	100Hz Square wave									
Release time	Diode suppression	msec	0.5							
Environmental Ratings		Schematics								
Measurement reference conditons		Top view								
Temp. : 15°C〜35°C Humidity : 25%〜85%RH										
Atmospheric pressure : 860〜1060hPa										
Storage temp. : −40°C〜+ 80°C										
Operating temp : −20°C〜+60°C										
The operating and Release Voltage and the coil resistance are specified at 20°C. These values change approximately 0.4%/°C change in the ambient temperature.										
Vibration : 20Gs to 2000Hz										
Shock : 50Gs										

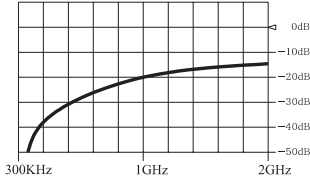


1 7 D Series

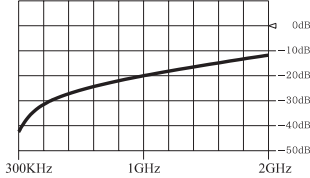
Insertion loss



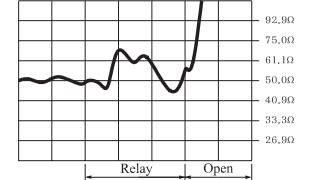
Return loss



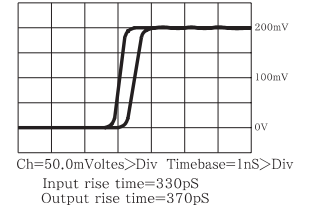
Isolation loss



T · D · R



Rise time



ORDERING CODE

1 7 □ - 1 A □ 2 □ - □ □
(1) (2) (3) (4)

Example 17D-1A12G Represents Series 17D with 1Form A, Dry Reed (Rhodium), Coil Voltage 5V, Electrostatic Shield and Terminal Style Gull-Wing.

- | | |
|--|--|
| (1) Reed Switch Type
D - Dry Reed (Rhodium)
R - Dry Reed (Ruthenium) | (3) Terminal Style
G-Gull-Wing
J-J-Lead |
| (2) Coil Voltage
1-5VDC
2-12VDC | (4) Special Code Example
01-0.075 inch (1.905 mm) pitches |

Notes :

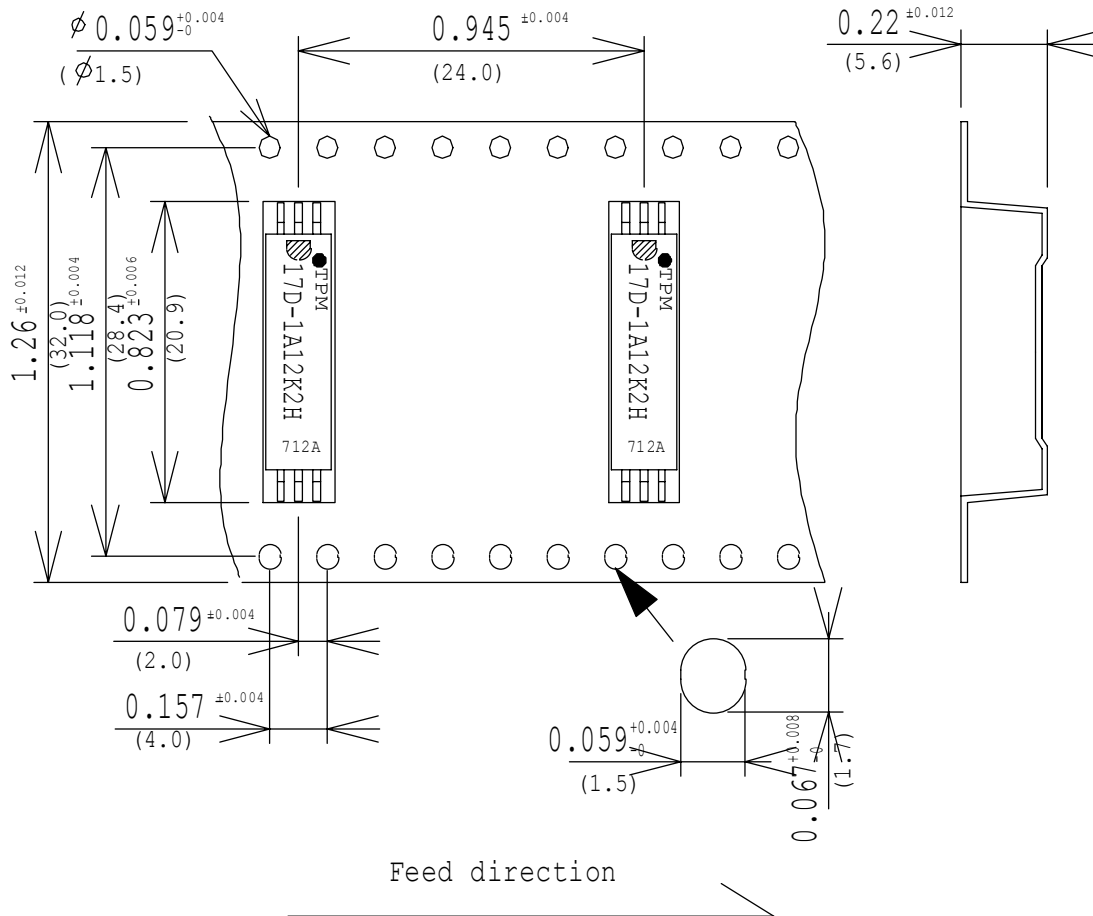
- Values are specified with a resistive load being applied. A contact protective circuit is required for C and L type loads.
- The values for the operating time and release time however, are when the rated coil voltage is applied and a clamp diode is attached.
- Surface mount component processing temperature: 446°F (230°C) max. for 10 seconds dwell time. Temperature is measured at leads where they exit the package.



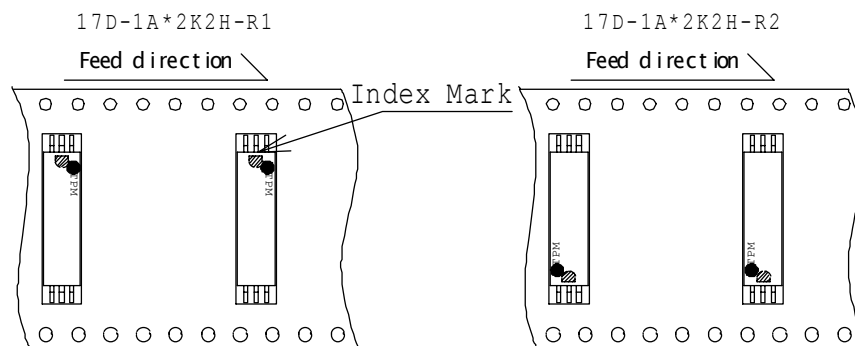
DB ELECTRO
COMPOSANTS ÉLECTRONIQUES
ELECTRONIC COMPONENTS

Tape shape & dimensions

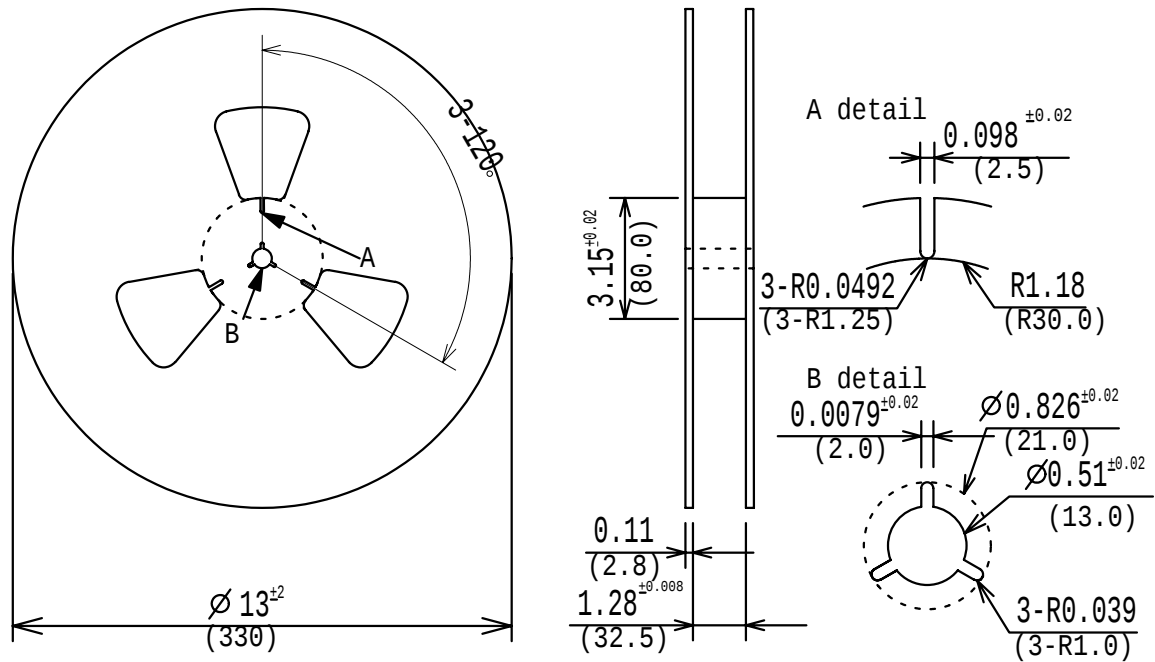
17D-1A*2K2H TYPE



Device mounting directions



Reel shape & dimensions



Feed direction

