ONLY FOR REFERENCE

Standard Spec Sheet

Mitsumi Model Name	SBH-01AMT76M
Mitsumi Model No.	R66-Q371
Operating Force	320 gf
Mounting Height	0.63mm
Design Type	With Nub
MOQ	10,000

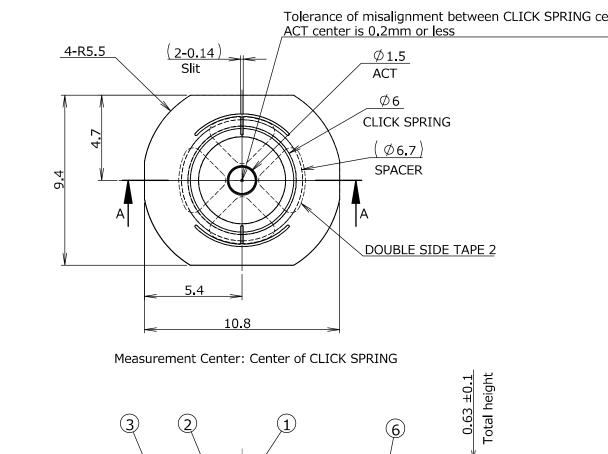
Any products mentioned in this catalog are subject to any modification in their appearance and others for improvements without prior notification.

If you have any questions for the details, please contact SW engineering division. For your adopting the products, the formal supply specification will be provided.

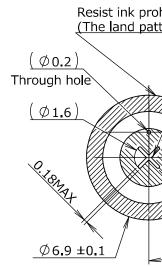


MITSUMI ELECTRIC CO.,LTD. 2-11-2,Tsurumaki,Tama-shi.Tokyo 206-8657 Japan.

SWITCH ENGINEERING SECTION 1049,Tateiwa,Iizuka-shi. Fukuoka 820-8533 Japan.



	1	Switch sheet			Approved	Checked		Drawn
SE	8H-0	1 AM 1	76M		Nov.17 '22 S.Otaka	Nov.17 Yh.C		Nov.14 '22 Pp.Zhang
ENERAL SF	PECIFICATION	CUST	omer's name		CUST	OMER'S PA	RTS No	Э.
S66-	Q348		-			-		
Genera <mark>l</mark> The item	Specificatio is not speci	in this Produc n. fied in this Pro n is applied.	·	•	ior to			
No.	Pa	art Name		REI	MARKS			NOTE
1		ACT			(Black)),188mm)
2	CO	VER FILM	F	PET(Wi	thout glue)		(t=0	.025mm)
3	DOUBLE	E SIDE TAPE	1	PET+G	GLUE+PET		(t=	0.05mm)
4	CLIC	CK SPRING	SI	JS(SUS	301CSPEH)	(t=	0.06mm)
5	DOUBLE	E SIDE TAPE	2	PET+G	GLUE+PET		(t=	0.02mm)
6	9	SPACER	PET-	-GLUE(One side ta	ape)	-	0.16mm)
Ø	SE	PARATOR			PET		(t=	:0 . 1mm)
	$(\emptyset 0.2$ Through f	(The land p	<u>attern must</u>		-	surrounc	lings))
	Through r (∅ 1.6 	(The land p nole ±0.1 Reference la	attern must		highest in s X 3.2 ±0.1 5.1 ±0.1	SMITCH S	S L 2.N 202	OV 2 Turne ov
	Through r (∅ 1.6 	(The land p nole ±0.1 Reference la	attern must		highest in s X 3.2 ±0.1 5.1 ±0.1 RoHS	Surrounc Surrou	S L 2.N 202 V 0/NET	OV 2 Turne of
	Through r (∅ 1.6 	(The land p nole ±0.1 Reference la	attern must	be the 0.05MA	highest in s X 3.2 ±0.1 5.1 ±0.1 RoHS	G Complia	S L 2.N 202 V 0/NET	OV 2 Turne of
	Through r (∅ 1.6 	(The land p nole ±0.1 Reference la	attern must	be the 0.05MA 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	highest in s X 3.2 ± 0.1 5.1 ± 0.1 RoHS 2011, nvironmenta arameter she	5 Complia (65/EU, (1) I Class eet result	2.N 202 Vo/NET	OV 2 00 2 00 2 00 2 00 2 00 2 00 2 00 2 0
	Through r (∅ 1.6 	(The land p nole ±0.1 Reference la	attern must	be the 0.05MA 1 0.05MA 0.0	highest in s X 3.2 ± 0.1 5.1 ± 0.1 RoHS 2011, nvironmenta arameter sha evelopment	Complia (65/EU, (1 I Class eet result Class	2.N 202 Vo/NET	OV 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
	Through r (∅ 1.6 	(The land p nole ±0.1 Reference la	attern must	be the 0.05MA T 0.05MA 0.0	highest in s X 3.2 ± 0.1 5.1 ± 0.1 RoHS 2011, nvironmenta arameter sho evelopment nird Angle Pr	Complia 265/EU, ((11 Class 261 result 2013 2014 2015 2015 2015 2015 2015 2015 2015 2015	2.N 202 Vo/NET	OV 2 3 15/863 G N 2
	Through r (∅ 1.6 	(The land p nole ±0.1 Reference la	attern must	be the 0.05MA 1 0.05MA 0.0	highest in s X 3.2 ± 0.1 5.1 ± 0.1 RoHS 2011, nvironmenta arameter sha evelopment	Complia 265/EU, ((11 Class 261 result 2013 2014 2015 2015 2015 2015 2015 2015 2015 2015	2.N 202 Vo/NET	OV 2 00 2 00 2 00 2 00 2 00 2 00 2 00 2 0
	Through r (∅ 1.6 	(The land p hole to.1 Reference la (S=	attern must	be the 0.05MA T 0.05MA 0.0	highest in s X 3.2 ± 0.1 5.1 ± 0.1 RoHS 2011, nvironmenta arameter sho evelopment nird Angle Pr	Class cojection A's	SU 2.N 202 Volver	OV 2 3 15/863 G N 2
n pect Ma	Through r (∅ 1.6	(The land p nole ±0.1 Reference la	attern must 4-R 4-R 4-R 4-R 4-R 4-R 4-R 4-R 4-R 4-R	be the 0.05MA (*) (*) (*) (*) (*) (*) (*) (*)	highest in s X 3.2 ± 0.1 5.1 ± 0.1 5.1 ± 0.1 RoHS 2011, nvironmenta arameter she evelopment nird Angle Pr Tolerance ±0.2	Class cojection A's	SU 2.N 202 Volver	0V 2 5 5 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7





NC contex and	SPECIFICATION	Switch	n sheet		Approved	Checked	Drawn
NG center and	SBł	H-01A	MT7	6M	Nov.17 '22 S.Otaka	Nov.17 '2 Yh.Qi	2 Nov.14 '22 Pp.Zhang
	GENERAL SPEC	IFICATION	CUSTOME	R'S NAME	CUST	OMER'S PART	ΓS No.
	S66-Q	348		-		-	
	 1)The items specified in this Product specification are prior to General Specification. 2)The items not specified in this Prosuct specification, General specification is applied. 						
	No.	Part Na	ime	F	EMARKS		NOTE
	1	ACT			ET(Black)	(1	h=0.188mm)
	2	COVER F	FILM		Vithout glue)		t=0.025mm)
	3	DOUBLE SID	E TAPE 1	PET	+GLUE+PET	((t=0.05mm)
	4	CLICK SP	RING	SUS(S	US301CSPEH	I) ((t=0.06mm)
		DOUBLE SID	E TAPE 2	PET	+GLUE+PET		(t=0.02mm)
	6	SPACE		PET+GLU	E(One side t		(t=0.16mm)
	7	SEPARA	TOR		PET		(t=0.1mm)
	Tł	$\frac{(\text{The})}{(\phi_{0.2})}$		bition area w rn must be t 4-R0.05	<u>ne highest in</u>	surroundir	ngs)
	Tł	(The $(\phi 0.2)$) nrough hole $(\phi 1.6)$ $\phi 6.9 \pm 0.1$		4-R0.05	<u>MAX</u> Ø <u>3.2 ±0.1</u> Ø <u>5.1 ±0.1</u>	G 3M 1101 4W0	Nov 022
	Tł	(The $(\phi 0.2)$) nrough hole $(\phi 1.6)$ $\phi 6.9 \pm 0.1$	e land patte	4-R0.05	me highest in MAX Ø 3.2 ±0.1 Ø 5.1 ±0.1 RoHS 2011	S Complian /65/EU, (EL	t J)2015/863
	Tł	(The $(\phi 0.2)$) nrough hole $(\phi 1.6)$ $\phi 6.9 \pm 0.1$	e land patte	4-R0.05	<u>MAX</u> <u>Ø 3.2 ±0.1</u> <u>Ø 5.1 ±0.1</u> RoHS 2011 Environmenta	5 Complian /65/EU, (EL al Class	t J)2015/863
	Tł	(The $(\phi 0.2)$) nrough hole $(\phi 1.6)$ $\phi 6.9 \pm 0.1$	e land patte	4-R0.05	MAX Ø 3.2 ±0.1 Ø 5.1 ±0.1 RoHS 2011 Environmenta Parameter sh	5 Complian /65/EU, (EL al Class eet result	t J)2015/863 G N
	Tł	(The $(\phi 0.2)$) nrough hole $(\phi 1.6)$ $\phi 6.9 \pm 0.1$	e land patte	4-R0.05	The highest in MAX $ \frac{0}{3.2 \pm 0.1} $ $ \frac{0}{5.1 \pm 0.1} $ RoHS 2011 Environmenta Parameter sh Development	5 Complian /65/EU, (EU al Class eet result Class	t J)2015/863
	Tł	(The $(\phi 0.2)$) nrough hole $(\phi 1.6)$ $\phi 6.9 \pm 0.1$	e land patte	AS°	$\frac{0}{2} 3.2 \pm 0.1$ $\frac{0}{2} 5.1 \pm 0.1$ RoH3 2011 Environmenta Parameter sh Development Third Angle P	5 Complian /65/EU, (EL al Class eet result Class rojection	t J)2015/863 G N 2
sion	Tł	(The $(\phi 0.2)$) nrough hole $(\phi 1.6)$ $\phi 6.9 \pm 0.1$	e land patte	dimensions	$\frac{0}{2} 3.2 \pm 0.1$ $\frac{0}{2} 3.2 \pm 0.1$ $\frac{0}{2} 5.1 \pm 0.1$ RoHS 2011 Environmenta Parameter sh Development Third Angle P e Tolerance	5 Complian /65/EU, (EU al Class eet result Class rojection A'ssy	t J)2015/863 G N 2 VDraw No.
Kevision No. D	Th	(The $(\phi 0.2)$ nrough hole $(\phi 1.6)$ $\phi 6.9 \pm 0.1$ Refer	e land patte	dimensions	$\frac{0}{2} 3.2 \pm 0.1$ $\frac{0}{2} 3.2 \pm 0.1$ $\frac{0}{2} 5.1 \pm 0.1$ RoHS 2011 Environmenta Parameter sh Development Third Angle P e Tolerance	5 Complian /65/EU, (EU al Class eet result Class rojection A'ssy	t J)2015/863 G N 2
No. D Product Manual		(The $(\phi 0.2)$ nrough hole $(\phi 1.6)$ e to the second s	e land patte	AS° dimensions	$\frac{0}{2} 3.2 \pm 0.1$ $\frac{0}{2} 3.2 \pm 0.1$ $\frac{0}{2} 5.1 \pm 0.1$ RoHS 2011 Environmenta Parameter sh Development Third Angle P e Tolerance	5 Complian /65/EU, (EU al Class eet result Class rojection A'ssy	t J)2015/863 G N 2 VDraw No.

NOTE:

- Operating Force : $3.2\pm0.5N$. 1.
- Travel : 0.25 ± 0.1 mm. 2.
- 3. Click ratio : 37±20%.
- 4. LIFE : 1,000,000cycles.
- 5. If a FPC/PWB with thickness of 0.3mm or less is used to mount a switch, drop impact resistance and stop strength of the switch are extremely decreased. Therefore please give careful consideration to stiffness for the switch mounted area in your design. Also is a double-sided adhesive tape is used to fix a FPC/PWB, please use the tape which is thinner as much as possible (MAX.50µm), and test drop impact and stop strength to make sure that there is no impact such as dome deformation.

SEC A-A (S=10:1)

- 6. Dimensions in parentheses () are for reference. Therefore tolerance is not applied to the dimensions in parentheses. Consultation is required when specifying a dimension.
- 7. Please use copper with Au-plating over Ni-plating for contact area of PWB mounted on switch sheet.(Recommended plating thickness:Ni plating 5~10µm,Au plating 0.02~0.1µm) If you use material, plating and surface finishing other than those mentioned above, we do not guaranteebecause it can cause to degrade the switch performance.
- 8. Please keep even surface between contact surface of pattern A&B and pasting surface of the switch to get stable feel and On timing.
- Place the switch sheet within the hatched area (14.3 mm x 9.5 mm). 9.
- 10. There are bubbles on the product, which has no effect on the characteristics and is a good product.

MITSUMI ELECTRIC CO., LTD.

Strco General Specifications Switch Shet Series Approved Checked Drawn Nov.17.2022 Drawn Nov.17.2022 Drawn Nov.17.2022 Nov.16.202 1.General 1-1 Scope Nov.17.2022 Nov.16.202 1.General 1-1 Scope Nov.16.202 1.General 1-2 Operating temperature range Nov.16.202 -20 te 80 deg-C (humidity 20 to 80%RH (no dew drop)) Switch sheet shall be attached on PWB or FPC and based on specified lab condition. 1.3 Storage temperature range -30 to 80 deg-C (humidity 20 to 85%RH (no dew drop)) Switch sheet shall be attached on PWB or FPC. 1.4 Test conditions Tests and measurements shall be made in the following standard conditions unless otherwise specified. Normal temperature: 15 to 35 deg-C. Normal humidity:Relative humidity 25 to 85% In case any question arises form the judgment made, tests shall be conducted in the following conditions. Temperature: 20+/-2 deg-C. Air pressure: 86 to 106kpa. Relative humidity 65+/-5% 2. Appearance Scratch, dirt, discoloration, and foreign material that not affect the serviceability of the product shall be judged as non-defective product. White discoloration occurring in the production process, are acceptable as bubbles do not have any impact on product characteristics. Bubbles in products, which occur in production process, are acceptable as bubbles do not have any impact on product characteris					(1)of(5)
Str.CO SBH-01AMT74N / SBH-01AMT75N SBH-01AMT76M / SBH-01AMT75N SBH-01AMT76M / SBH-01AMT75N SWENG SOLAG SWENG OLYuanhe SWENG ULUER 1.General 1-1 Scope 1.1 Scope This specification is to cover the general requirements of switch sheet series SBH-01AMT74N/75N/76M/77M. 1-2 Operating temperature range -20 to 80 deg-C (humidity 20 to 80%RH (no dew drop)) Switch sheet shall be attached on PWB or FPC and based on specified lab condition. 1-3 Storage temperature range -30 to 80 deg-C (humidity 20 to 85%RH (no dew drop)) Switch sheet shall be attached on PWB or FPC. 1-4 Test conditions 1-3 Ests and measurements shall be made in the following standard conditions unless otherwise specified. Normal temperature:15 to 35 deg-C. Normal humidity:Relative humidity 25 to 85% In case any question arises form the judgment made, tests shall be conducted in the following conditions. Temperature:20+/-2 deg-C. Air pressure:86 to 106kpa. Relative humidity 65+/-5% 2. Appearance, style, dimensions and structure 2-1 Style and dimensions Refer to the attached drawing. 2-2 Appearance Subbles in products, which occur in production process, are acceptable as bubbles do not have any impact on product haracteristics. 3-3 Component Refer to the attached drawing. 2-9 Component Refer to the packaging spec		General Specifications	Approved	Checked	Drawn
1.General 1.1 Scope This specification is to cover the general requirements of switch sheet series SBH-01AMT74N/75N/76M/77M. 1.2 Operating temperature range -20 to 80 deg-C (humidity 20 to 80%RH (no dew drop)) Switch sheet shall be attached on PWB or FPC and based on specified lab condition. 1.3 Storage temperature range -30 to 80 deg-C (humidity 20 to 85%RH (no dew drop)) Switch sheet shall be attached on PWB or FPC. 1.4 Test conditions Tests and measurements shall be made in the following standard conditions unless otherwise specified. Normal temperature:15 to 35 deg-C. Normal humidity:Relative humidity 25 to 85% In case any question arises form the judgment made, tests shall be conducted in the following conditions. Temperature:20+/-2 deg-C. Air pressure:86 to 106kpa. Relative humidity 65+/-5% 2. Appearance, style, dimensions and structure 2.1 Style and dimensions Refer to the attached drawing. 2.2 Appearance Soratch, dirt, discoloration, and foreign material that not affect the serviceability of the product shall be judged as non-defective product. White discoloration occurring in the production process, are acceptable as bubbles do not have any impact on product share acceptable as a conforming product as the white discoloration process, are acceptable as bubbles do not have any impact on product characteristics.	0348		SW-ENG.	SW-ENG.	
 1-1 Scope This specification is to cover the general requirements of switch sheet series SBH-01AMT74N/75N/76M77M. 1-2 Operating temperature range -20 to 80 deg-C (humidity 20 to 80%RH (no dew drop)) Switch sheet shall be attached on PWB or FPC and based on specified lab condition. 1-3 Storage temperature range -30 to 80 deg-C (humidity 20 to 85%RH (no dew drop)) Switch sheet shall be attached on PWB or FPC. 1-4 Test conditions Tests and measurements shall be made in the following standard conditions unless otherwise specified. Normal temperature:15 to 35 deg-C. Normal humidity:Relative humidity 25 to 85% In case any question arises form the judgment made, tests shall be conducted in the following conditions. Temperature:20+/-2 deg-C. Air pressure:86 to 106kpa. Relative humidity 65+/-5% 2. Appearance, style, dimensions and structure 2.1 Style and dimensions Refer to the attached drawing. 2.2 Appearance Scratch, dirt, discoloration, and foreign material that not affect the serviceability of the product shall be judged as non-defective product. White discoloration occurring in the production process, are acceptable as bubbles do not have any impact on product characteristics. Bubbles in products, which occur in production process, are acceptable as bubbles do not have any impact on product characteristics. 2.3 Component Refer to the attached drawing. 2.9 Packaging Refer to the packaging specification. 		SBH-01AMT76M / SBH-01AMT77	M Released	Nov-1	6-2022
	1-1 S T S 1-2 C S 1-2 C S 1-3 S 1-4 T T C N II fc T 2. Appe 2-1 S F 2-2 A S P V d B S S D S S S S S S S S S S S S S S S S	cope his specification is to cover the general requ BH-01AMT74N/75N/76M/77M. perating temperature range 20 to 80 deg-C (humidity 20 to 80%RH (no co witch sheet shall be attached on PWB or FP torage temperature range 0 to 80 deg-C (humidity 20 to 85%RH (no co witch sheet shall be attached on PWB or FP est conditions ests and measurements shall be made in the herwise specified. ormal temperature:15 to 35 deg-C. Normal case any question arises form the judgmen llowing conditions. emperature:20+/-2 deg-C. Air pressure:86 to arance, style, dimensions and structure tyle and dimensions efer to the attached drawing. ppearance cratch, dirt, discoloration, and foreign materi roduct shall be judged as non-defective prod thite discolored products are acceptable as a scoloration occurring in the production proces ubbles in products,which occur in productior of have any impact on produt characteristics omponent efer to the attached drawing.	dew drop)) PC and based on s dew drop)) PC. e following standa humidity:Relative at made, tests sha o 106kpa. Relativ ial that not affect t luct. a conforming proc ess has no negation process,are acc	specified lab ca ard conditions humidity 25 to Il be conducte re humidity 65- the serviceabil duct as the wh ve effect chara	unless 5 85% 5d in the +/-5% ity of the ite acteristics.
				\wedge	
	Ж				

		(
Mechanical chara	acteristics	
Items	Test conditions	Criteria
4-1	Placing the switch such that the direction of switch operation	Refer to the
Operating force	is vertical and then applying the load to the center of the CLICK SPRING, the load shall be measured. <measurement condition=""> Put a SW sheet on the metal table (iron/polished surface) Use load measuring instrument Measuring speed:0.05mm/sec Pusher: Dia2.0,Flat, metal</measurement>	attached drawing
4-2	Placing the switch such that the direction of switch operation	Refer to the
Travel	is vertical and then applying the load to the center of the come CLICK SPRING, the travel distance for the dome spring to a stop shall be measured. <measurement condition=""> See item 4-1 above</measurement>	attached drawing
4-3 Oliala astis	Placing the switch such that the direction of switch operation	Refer to the
Click ratio	is vertical and then applying the load to the center of the CLICK SPRING, the load shall be measured. Click ratio=((OF-RF)/OF)x100 (%) <measurement conditions=""> See item 4-1 above</measurement>	attached drawing
	Operating Force(OF) Return Force(RF)	SSU 22.Nov 2022 ********
A A	,	Characteristics
4-4 Push strength	Placing the switch such that the direction of switch operation is vertical and then applying a static load of 30N (3.1kgf) to the center of the CLICK SPRING, for 15 sec. Put a SW sheet on the metal table (iron/polished surface) Pusher: Dia4.5,Flat, metal	Characteristics shown in 4-1,4-2 and4-3 shall fulfill +/-30% of initial performance. Satisfy 6-1 clause.

5.Endurance characteristics

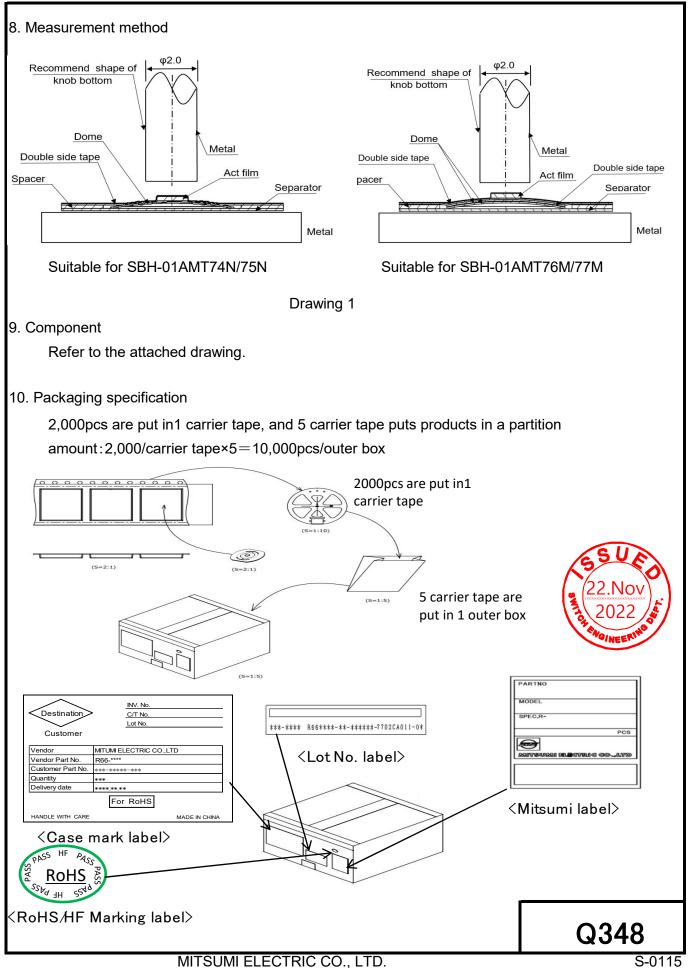
Items	Test conditions	Criteria
5-1	Placing the switch such that the direction of switch operation	Characteristics
Operating life	is vertical and then applying the load to the center of the	shown in 4-1,4-2
	CLICK SPRING to come to a stop. After the following operation	and4-3 shall fulfill
	cycles, measurements shall be done.	+/-30% of initial
	Pusher: Dia4.5,Flat, ABS resin.	performance.
	Depression: Operating force ×1.5	Contact resistance
	Rate of operation: 60 to 120 operations/min.	100 ohm or less.
	Cycles of operation: Specified on the product specification.	•
	·	

6. Electrical characteristics

Items	Test conditions	Criteria
6-1	The test PWB:Glass-epoxy base(t=1.6mm), Pattern is	5 ohm max.
Contact	covered with gold plated in 0.05µm or more lower side Ni	
resistance	plated in 2µm ave.	
	Load: Applying 1.5 times the max of OF	
	specified in item 4-1.	
	Current: 5mA	

7.Environmental characteristics

7-1 Cold resistanceFollowing the test set forth below the sample shall be left in normal temperature and humidity conditions for two hours before measurements are made. (1) Temperature: -40+/-3 deg-C (2) Time: 96 hrSatis and 4 Satis7-2 Heat resistanceFollowing the test set forth below the sample shall be left in normal temperature and humidity conditions for two hours before measurements are made. (1) Temperature: 85+/-3 deg-C (2) Time: 96 hrSatis and 4 Satis7-3 Humidity resistanceFollowing the test set forth below the sample shall be left in normal temperature and humidity conditions for two hours before measurements are made. (1) Temperature: 85+/-3 deg-C (2) Time: 96 hrSatis and 4 Satis7-3 Humidity resistanceFollowing the test set forth below the sample shall be left in normal temperature and humidity conditions for two hours before measurements are made. (1) Temperature: 60+/-3 deg-C (2) Relative humidity: 90 to 95% (3) Time: 96 hrSatis and 4 Satis7-4 Temp. cyclingFollowing 10 cycles of the temperature cycling test set forth below the sample shall be left in normal temperature andSatis and 4	Criteria	Test conditions	Items
Heat resistance normal temperature and humidity conditions for two hours before measurements are made. and 4 (1) Temperature: 85+/-3 deg-C (2) Time: 96 hr Satistical statistical sta	be left in Satisfy 4-1,4-2	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for two hours before measurements are made. (1) Temperature: -40+/-3 deg-C	7-1
Humidity resistance normal temperature and humidity conditions for two hours before measurements are made. and 4 Satistical (1) Temperature: 60+/-3 deg-C (2) Relative humidity: 90 to 95% (3) Time: 96 hr Satistical Satistical (3) Time: 96 hr 7-4 Temp. cycling Following 10 cycles of the temperature cycling test set forth below the sample shall be left in normal temperature and humidity conditions for 2 hr before measurements are made. Satistical Satistical (3) Time: 96 hr 7-4 Temp. cycling Following 10 cycles of the temperature cycling test set forth below the sample shall be left in normal temperature and humidity conditions for 2 hr before measurements are made. Satistical (3) Time: 96 hr 1 cycle		normal temperature and humidity conditions for two hours before measurements are made. (1) Temperature: 85+/-3 deg-C	
Temp. cycling below the sample shall be left in normal temperature and humidity conditions for 2 hr before measurements are made.	•	normal temperature and humidity conditions for two hours before measurements are made. (1) Temperature: 60+/-3 deg-C (2) Relative humidity: 90 to 95%	Humidity
	are made. and 4-3, Satisfy 6-1 clause. 	below the sample shall be left in normal temperature and humidity conditions for 2 hr before measurements are made.	
	Q348		



S-0115

- 11. Operating environment
 - 11-1 Do not expose the switch sheet to sulfur gas, like the corrosion gas and the sea breeze.
 - 11-2 Visible dust must be cleared.
 - 11-3 Do not apply the load more than specified to the switch.
- 12. Condition in storage
 - 12-1 Do not expose the switch sheet to sulfur gas, like the corrosion gas and the sea breeze.
 - 12-2 Visible dust must be cleared.
 - 12-3 Do not apply the load more than specified to the switch sheet.
 - (Stocking environment)
 - 12-4 The switch sheet shall not be stored for a long time under hot temperature with high degree of humidity and/or under the direct sun light.
 - 12-5 The switch sheet are recommended to be stored under the normal temperature with normal humidity.

(Temperature:15 to 35 deg-C humidity:25 to 85% with normal air pressure.(86 to 106kpa)). (Stocking period)

- 12-6 Stocking period is 1.5 years after the delivery.
- 13. Precaution in use
 - 13-1 Do not apply the load more than specified to the switch sheet.
 - 13-2 Do not wash the switch sheet.
 - 13-3 Please remove dirt on the contact pattern by a vacuum or the like before you assemble the connecting parts.Otherwise, dirt will cause the contact faults. Conductive failure due to unremoved dirt is not covered by the warranty.
 - 13-4 Please consider your set design and pay attention to installation process so that the load more than specified and/or impact are not applied to the CLICK SPRING.
 - 13-5 Please pay attention to your dome attaching process because re-attaching leads to low adherence property.
 - 13-6 If a question or problem not stipulated here in arises, it shall be determined each time through consultation.
- 14. Precaution in use
 - 14-1 This switch sheet uses pressure adhesive type for the adhesive tape. Therefore, the switch sheet needs to be applied pressure (recommended pressure: 0.1Mpa) after attaching on your sets.Please do not press CLICK SPRING while applying pressure.
 - 14-2 This product is delivered as a sheet. Therefore, you can not use auto-mounting machine in assembly.
 - 14-3 Unless provided for otherwise, the products have been designed and manufactured for application in equipment and devices which are sold to end users in the market, including audio-visual (AV) equipment, electrical home appliances, office machines, information and communication equipment, and amusement equipment. The products are not intended for use in, and must not be used for, any application for nuclear equipment, driving equipment for aerospace or any other unauthorized use. With the exception of the abovementioned prohibited applications, please contact our sales representative and/or evaluate the total system regarding applicability for applications involving high levels of safety and liability such as medical equipment, burglar alarm equipment, disaster prevention equipment and undersea equipment.

protection, and/or fire protection into the complete system to ensure safety and reliability of the total system.

