

Fig1. MEASURING METHOD

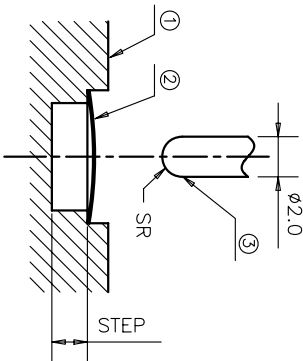


Fig2. OPERATING PERFORMANCE

NOTES:
 1. ALL THE OPERATING PERFORMANCE SPEC. IN BELLOW TABLE SHOULD BE MET. THE MEASURE METHOD IS SHOWN AS Fig.1.
 OPERATE THE DOME 10 TIMES BEFORE MEASURING.

REV	ECN NO.	APPD
A	HC060009	ZO
B	HC100097	ZO
C	HC150011	ZO

F_p : PEAK FORCE
 F_r : RETURN FORCE
 T_1 : CONTACT POINT
 T_2 : BUTTON POINT
 $C/R = (F_p - F_r) / F_p * 100\%$
 REMARK:
 1. T2 TESTED WHEN THE SETP IS DEEP ENOUGH TO NOT CONTACT WITH DOME DURING MEASURING.
 2. T1 < T2

- 1) TEST SPEED : 120 SPM
- 2) TEST FORCE : F_p
- 3) MATERIAL : ALUMINIUM.
2. OBVIOUS BURR, SCRATCHES, CRACKES IS FORBIDDEN.
3. DIMENSIONS MARKED ∇ SHOULD BE CHECKED BY Q.C. AND P.E.
4. DIMENSIONING SHALL BE INTERPRETED PER ANSI Y14.5M-1982.
5. HARMFUL MATERIAL CONTROL PLEASE FOLLOW DOC."HY-QW-02".
6. PART PERFORMANCE TABLE

PART NAME	D	W	H	P.F(gf)	C/R(%)
610-5***-****	$\phi 5 \pm 0.05$	3.7 ± 0.05	0.25 ± 0.05	CP ± 15	C/R ± 10
610-C***-****	$\phi 4.5 \pm 0.05$	3.3 ± 0.05	0.22 ± 0.05	CP ± 15	C/R ± 10
610-4***-****	$\phi 4 \pm 0.05$	2.8 ± 0.05	0.2 ± 0.05	CP ± 15	C/R ± 10
610-F***-****	$\phi 2.4 \pm 0.05$	2.2 ± 0.05	0.15 ± 0.05	CP ± 15	C/R ± 10
610-D***-****	$\phi 2.2 \pm 0.05$	1.6 ± 0.05	0.13 ± 0.05	CP ± 15	C/R ± 10
610-2***-****	$\phi 2 \pm 0.05$	1.5 ± 0.05	0.12 ± 0.05	CP ± 15	C/R ± 10

TYPE:	DIMPLE:	D:	C/R:	STEP:	MATERIAL:	CP:
□ 1	0	2= $\phi 2.0$ mm	0=60%	0=0.00mm	9=SUS	060=060gf
□ 2	1	3= $\phi 3.0$ mm	1=65%	1=0.01mm	0=Ni-SUS	080=080gf
□ 3	2	4= $\phi 4.0$ mm	2=55%	2=0.02mm	S=AG-SUS	100=100gf
□ 4	3	5= $\phi 5.0$ mm	3=45%	3=0.03mm	1=PB	130=130gf
□ 5	4	6= $\phi 6.0$ mm	4=35%	4=0.04mm	2=BECU	160=160gf
□ 6	5	A= $\phi 2.5$ mm	5=25%	5=0.05mm		180=180gf
□ 7	6	B= $\phi 3.5$ mm	6=15%	6=0.06mm		200=200gf
□ 8	7	C= $\phi 4.5$ mm		7=0.07mm		250=250gf
□ 9	8	D= $\phi 2.2$ mm		8=0.08mm		
□ 10	9	E= $\phi 2.3$ mm		9=0.09mm		
□ 11	10	F= $\phi 2.4$ mm		A=0.10mm		
□ 12		G= $\phi 2.7$ mm				
□ 13		H= $\phi 2.8$ mm				
□ 14		J= $\phi 2.9$ mm				
□ 15		K= $\phi 2.85$ mm				
□ 16		L= $\phi 2.92$ mm				

X. ± 0.2	X. ± 0.1	X. ± 0.05	UNITS	NAME(INTENDED USE)	HON YUAN
.X ± 0.2	.X' ± 0.1	.XX ± 0.05	MM	METAL DOME FOR TACT SWITCH	HON YUAN PRECISION IND. CO.,LTD. SHENZHEN, CHINA, R.O.C.
.XXX ± 0.03	.XXX' ± 0.01	.XXX' ± 0.01	FINISH	PART NO.(INTENDED USE)	TITLE:
				610-****-****	DOME CUSTOMER DRAWING
				APPD: ZO 6/04/2015	DWG NO.:
				CHKD: M.H.L: 6/04/2015	610-0000-000
				DR: WP.LU 6/03/2015	SCALE SHEET
					1/1
					1/5
					REV.
					C

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