

Fig1. MEASURING METHOD

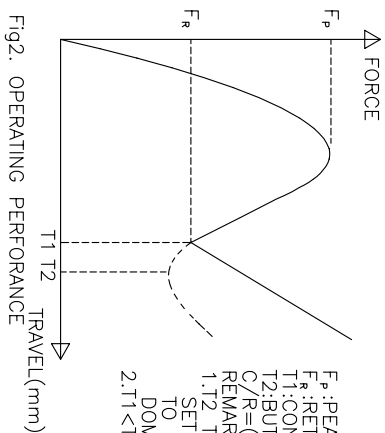
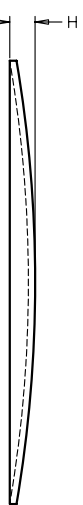


Fig2. OPERATING PERFORMANCE

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
 T1: CONTACT POINT
 T2: 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***-***	∅5 ±0.05	3.7±0.05	0.25±0.05	CP±15	C/R±10
610-C***-***	∅4.5 ±0.05	3.3±0.05	0.22±0.05	CP±15	C/R±10
610-4***-***	∅4 ±0.05	2.8±0.05	0.2±0.05	CP±15	C/R±10
610-F***-***	∅2.4 ±0.05	2.2±0.05	0.15±0.05	CP±15	C/R±10
610-D***-***	∅2.2 ±0.05	1.6±0.05	0.13±0.05	CP±15	C/R±10
610-2***-***	∅2 ±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=∅2.0mm	0=60%	0=0.00mm	9=SUS	060=060gf
□ 3	1	3=∅3.0mm	1=65%	1=0.01mm	0=Ni-SUS	080=080gf
□ 4	2	4=∅4.0mm	2=55%	2=0.02mm	S=AG-SUS	100=100gf
□ 5	3	5=∅5.0mm	3=45%	3=0.03mm	1=PB	130=130gf
□ B	4	6=∅6.0mm	4=35%	4=0.04mm	2=BECU	160=160gf
□ N	5	A=∅2.5mm	5=25%	5=0.05mm		180=180gf
□ D	6	B=∅3.5mm	6=15%	6=0.06mm		200=200gf
□ G		C=∅4.5mm		7=0.07mm		250=250gf
□ D		D=∅2.3mm		8=0.08mm		
□ M		E=∅2.3mm		9=0.09mm		
□ E		F=∅2.4mm		A=0.10mm		
		G=∅2.7mm				
		H=∅2.8mm				
		J=∅2.9mm				
		K=∅2.85mm				
		L=∅2.92mm				

X. ± 0.2	X' ± 0.3	UNITS	MM	Q'TY	NAME(INTENDED USE)	TITLE:
.X ± 0.1	.X' ± 2'	MAT'L			METAL DOME FOR TACT SWITCH	HON YUAN HON YUAN PRECISION IND. CO.,LTD. SHENZHEN, CHINA, R.O.C.
.XX ± 0.05	.XX' ± 1'	FINISH			PART NO.(INTENDED USE) 610-****-***	DOME CUSTMER DRAWING
.XXX ± 0.03	.XXX' ± 0.5'				APPD: ZO 6/04/2015	DWG NO.: 610-0000-000
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