

# Unionwell

## GT11 Series

### Ultrathin Mechanical Keyboard Switch-2.5mm Travel



#### ■ Features

- With tactile sound or smooth mute for selection
- Feel smooth and natural
- Service life can reach more than 10 million times
- Can be equipped with RGB-LED lights to add colorful backlight
- Patent products, the world's first

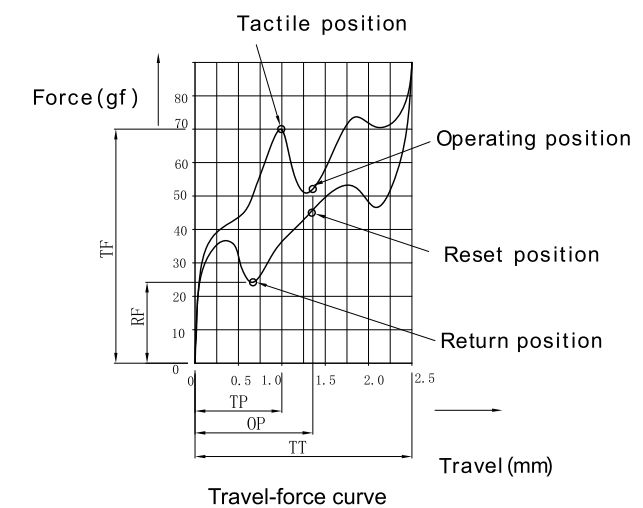
#### ■ Applications

- ◆ Notebook computer keyboards

#### ■ Specification and Parameters

Electical Characteristics	Rating	12V DC/AC Max. 10mA AC/DC Max
	Initial Contact Resistance	200mΩ Max
	Insulation Resistance	100MΩ Min
	Voltage Resistance	AC 100V (50-60Hz) 1 Min
	Electrical Life	Over 10,000,000 cycles (Load)
	Bounce Time	operation speed at<400mm/sec
Parameters	Tactile Force (TF)	70±15gf
	Tactile Position (TP)	1.0±0.3
	Operating Position (OP)	(TP±0.1) ≤OP≤1.2mm
	Total Travel (TT)	2.5±0.2mm (GT11A) 2.5+0/-0.3mm (GT11B)
	Return Force (RF)	RF=20gf Min
	Mechanical Life	Over 20,000,000 cycles (NO Load)
	Operating Temperature	-40°C~+80°C
	Operating Humidity	≤85% RH
	Hand Soldering Condition	3Sec Max. 360°C±10°C

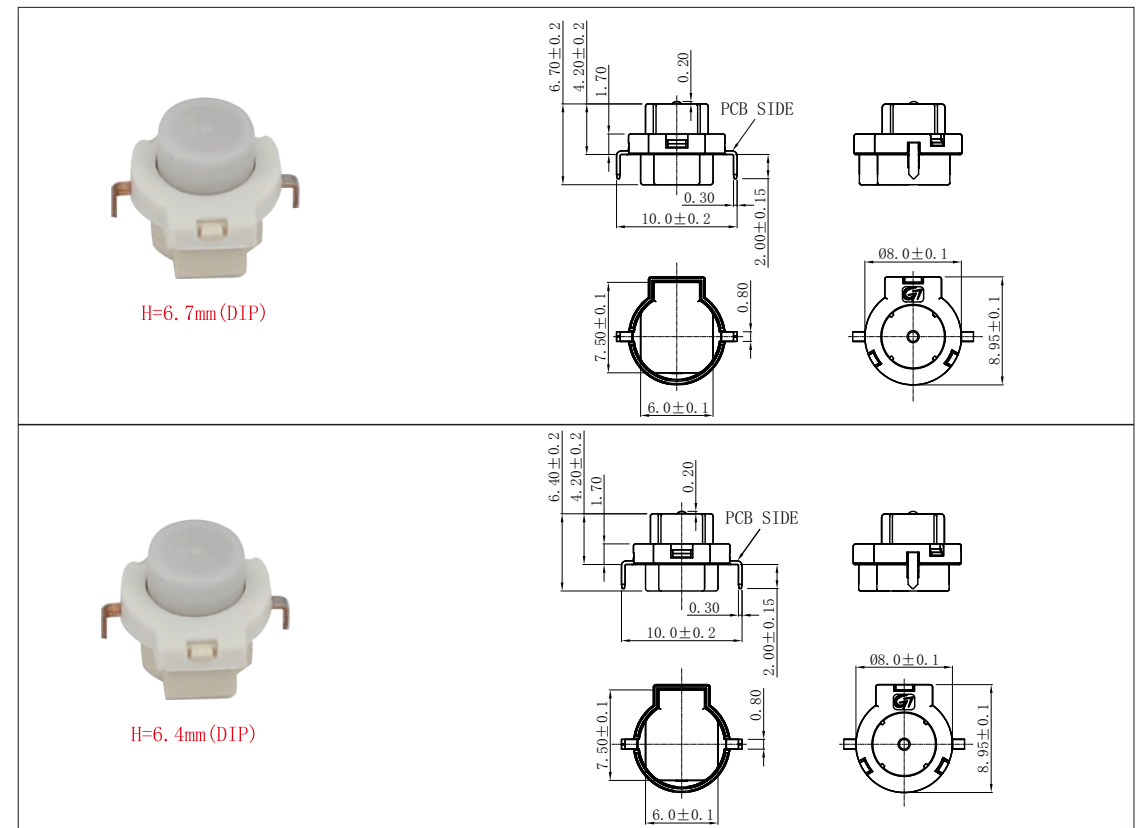
#### ■ Travel-Force Curve



GT11	Unionwell Switch Type	U	LOGO	T001	Custom Code	U	Unionwell	Other
A	Keyswitch Height	A	6.7mm	1	Code of Operating Force	1	OF=70±15gf	Other
C	Operating Characteristics and Key Style	A	Single pole, standard type, black key	C	Operating Characteristics and Key Style	C	Single pole, tactile feel, white, sound translucent key	Other
1	Code of Operating Force	1	OF=70±15gf	1	Code of Operating Force	1	OF=70±15gf	Other
N	LED Diode	N	No LED, No Diode	N	LED Diode	N	No LED, No Diode	Other
P	Mounting Options	P	With pins	P	Mounting Options	P	With pins	Other
T001	Custom Code	T001	General	T001	Custom Code	T001	General	Other
U	LOGO	U	Unionwell	U	LOGO	U	Unionwell	Other

## ■ Dimensions

Unit:mm



## ■ Circuit Board Layouts

