TSQ Series

12.0×12.0 Other Types Stem With Stable Operation Feeing Tact Switch







Features

- Snap-in type, which can be directly mounted on PC board.
- Some of output terminals can be also used as jumper leads, thus making circuit design easy.
- Standard knobs are available.
- SMT Type Available.

How to order Package: B=Bulk Total H: A=4.30mm B=7.50mm C=12.00mm RoHS & Lead Free Special stem coler: E=6.45mm(Vertical) F=11.20mm(Vertical) G=7.30mm =Standard 1=Black Operating Force: 1=100±50 gf 2=160±50 gf $3=260\pm70 \text{ gf}$

Applications

Operating switches in all types of electronic equipment such as audio devices, office devices, communication devices, measuring instruments, TVs, video recorders, automotive sets, etc.

Specification

Items Operating temperature range		Standard -20°C to +70°C	
Insulation resistance	100MΩ min. 100V DC		
Dielectric strength	250V AC for 1 min.		
Contact resistance	100mΩ max.		
Durability	Lifetime	50,000 Cycles, 100,000 Cycles,	
Mechanical performance	Operating force	1:100 ± 50gf, 2:160 ± 50gf, 3:260 ± 70gf	
	Travel	0.30 ± 0.15mm	

Diagram

Dimensions	TSQG	TSQE	TSQF
	20 e6.7	13.1 012.0 1.8 1.8 1.8 1.2 1.2 1.2 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	13.1 12.0 12.0 13.1 12.0 13.1 12.0 13.1 12.0 13.1
Circuit Diagram	©irguit Diagram	⊕—o o — ② ⑤—— ⊕—_ Cirguit Diagram	⊕—∘¯⊶—② ⊕———————————————————————————————————
Pad Layout	PCB Board	13.0 1 20 20 20 1 20 20 1 20 1 20	20 20 20 20 20 20 20 20 20 20 20 20 20 2

* Please follow drawing of Approved Sheet that catalog drawing only for reference.