Rotary Wafer Switches - Model TC

General Information:

Model TC has excellent characteristics and has many applications in special test equipment, tank cicuits and low power transmitters.

Electrical Characteristics:

Maximum operating voltage:	3KV dc; 3KV rms at1MHz at normal atmospheric pressure; 1.5KV rms at 1MHz at atmospheric pressure of 120cms.
Contact rating, switching;	3KV dc. 250 microamps; 300VA at 20MHz (Max. current 2.5A; voltage 2KV rms)
Carrying:	20A continuous.
Insulation resistance:	10^5 Gohms at 500Vdc
Contact resistance:	Less than 5 milliohms.
Proof voltage:	8KV dc at normal atmospheric pressure.

Maximum No of Wafers And Switching: Approximately 8 wafers maximum, depending on specification. Due to the construction of the rotor, maximum switching is limited to 1 Pole, 2 to 11 Positions per wafer.

Contacts: Clips: Silver plated, silver faced bi-metal.
Rotor blades: Silver faced phosphor bronze.
Standard, shorting (make before break); Optional, non-shorting (break before make)

Insulation: Highest grade, low loss, silicone impregnated ceramic.

Finish: All ferrous parts, except index spring and balls, zinc plated and passivated.

Mounting: Unless otherwise specified, supplied complete with 2BA x ¼" screws with countersunk heads.

Key To Details

A. Shaft length: optional ± 0.40 (0.016") (If Not Specified 25mm)

B. Flat Length: to specification ± 0.40 (0.016"). Special shaft terminations mat be provided to special requirements

C. Angle of flat: to specification ± 2º. Specify position of flat with switch shaft in fully anticlockwise position when viewed from front or knob end.

D. Flat thickness: standard, 5.55 ± 0.15 (0.218 ± 0.005") for grub screws; 4.95 ± 0.05 (0.195 ± 0.002") for push-on knobs.

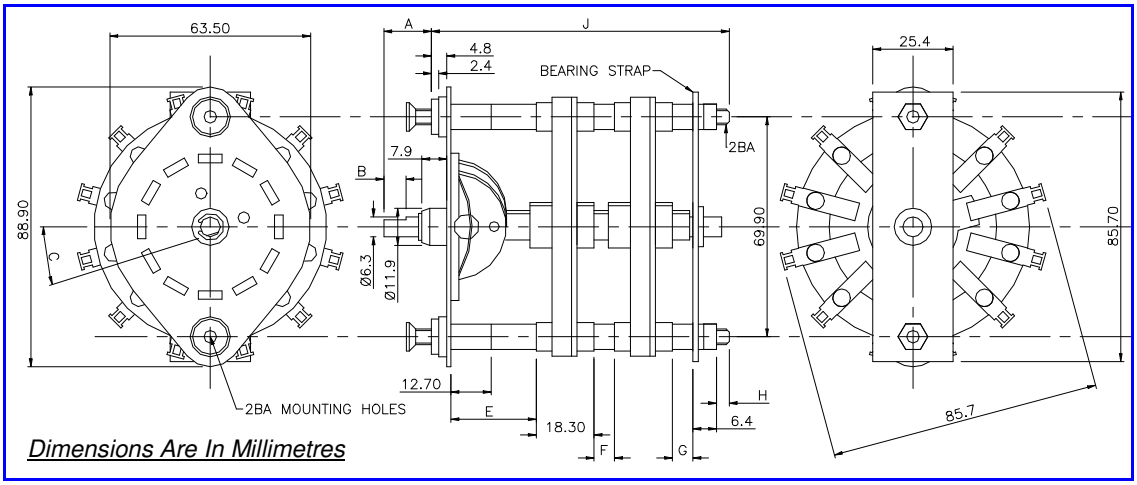
E. First spacer: 23.8 (0.937") minimum.

F. Intermediate spacers: 15.9 (0.625") minimum.

G. If no spacer: 9.5 (0.375"). Any length spacer may be inserted at this point

H. Thread extension: 2BA any length to specification.

I. Overall length: specify if important.



Dimensions Are In Millimetres

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N.B In line with continued development we reserve the right to amend specification without prior notice. (Rev 02/08)