

Motor Series **MTO**



Uni-Directional Synchronous Motor

Application

Timers, Chart recorders, Potentiometer Drives, Light Displays, Hour Meters, Cam Timers, Programming devices and control instrumentation.

Design

MTO is a unidirectional motor with a cylindrical sheet-iron stator in which the field poles form the stator ring. In combination with the auxiliary poles (provided with copper shading rings) a rotating field is generated when the coil is energized. The rotor turns in sintered bushings requiring no maintenance. The motor shaft is polished to a mirror finish.

Motor can be provided with Screw clip for fixing.

Standard data

Motor type	Uni directional synchronous; with electrical shading	
Ambient temperature operation	°C	-15...+55
Ambient temperature storage	°C	-20...+100
Thermal class	°C	105
Motor speed	r.p.m	375 @ 50 Hz
Life Expectancy	3 years in continuous operation	
Mounting	any position	
Standard motor voltage	V	12,24,110,220&240(others on request)
HVT	1.5 KV (motor voltage>40V) or 1.5 KV (motor voltage<40V); 30sec.	
Weight	gm	100
Rotor Stalling	motor can be stopped when the voltage is applied, without being overheated.	
Rotor Shaft	Hardened steel, ground and polished.	
Bearings	Sintered bronze, self lubricating	
External Dimensions	dia 42 x 18 mm	

Technical Data

Tolerance of voltage	%	-10...+15% of rated voltage	
Duty cycle	%	100	
Rated frequency	Hz	50	60
Speed	rpm	375	450
Running torque at rated voltage	gm-cm	5	4
Power consumption at rated voltage	W	1.4	1.5

Motor Drawing

