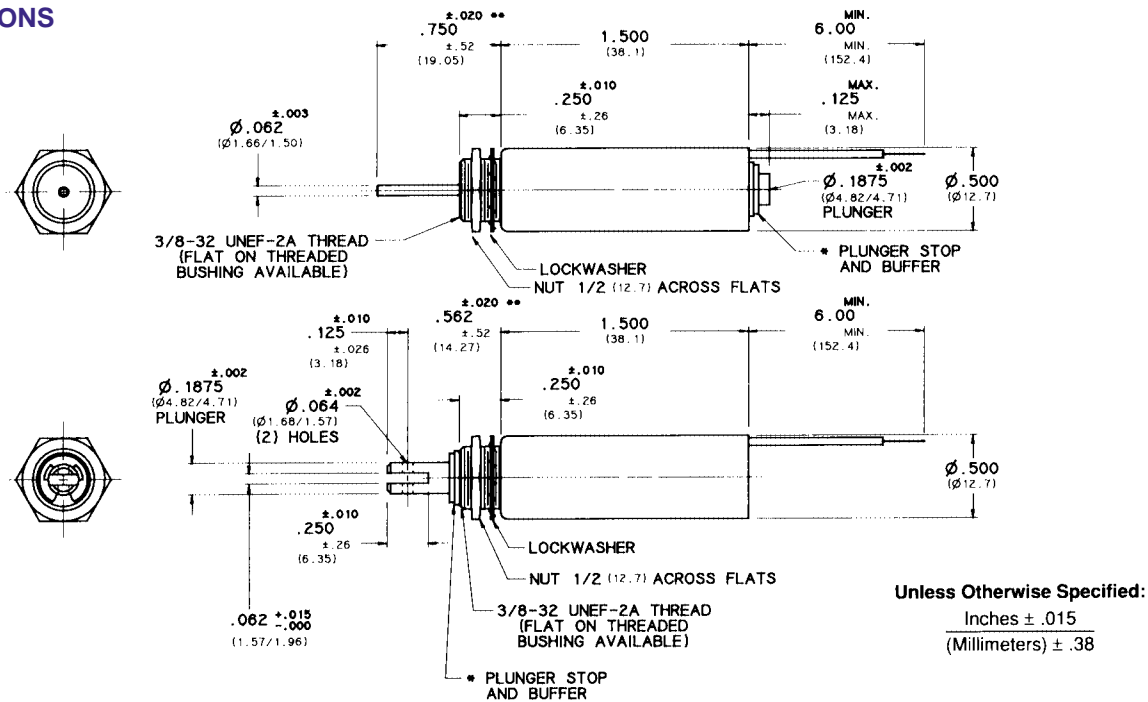


MED-8x1-1/2

TUBULAR SOLENOID

DIMENSIONS



INSULATION MATERIAL:

Class B Rating (standard)

MAXIMUM OPERATING TEMPERATURE:

Class B – 130°C (265°F)

DIELECTRIC STRENGTH:

50 Volts and Under: 500 VRMS

Over 50 Volts: 1,000 VRMS for one minute

STANDARD POWER RATINGS:

DUTY	NOMINAL DC POWER
Continuous	5 W
Intermittent	15 W
Pulse	50 W

WEIGHT:

Plunger – .25 Oz.

Total – 1 Oz.

PLUNGER GUIDE MATERIAL:

Plastic (standard)

Stainless Steel (optional)

LIFE EXPECTANCY:

10⁷ Cycles Under Optimum Load Conditions

TERMINATION:

Vinyl Wire Leads 26 AWG (standard)

PLUNGER CONE ANGLE:

60 degrees (standard)

also available flat, 90 degrees, custom

PULL TYPE MAXIMUM DIMENSIONS:

Length 1.775 In.

Diameter ϕ .515 In.

Plunger Diameter ϕ .1895 In.

MAXIMUM STROKE:

.350 In.

MED-8x1-1/2 STANDARD COIL RATING

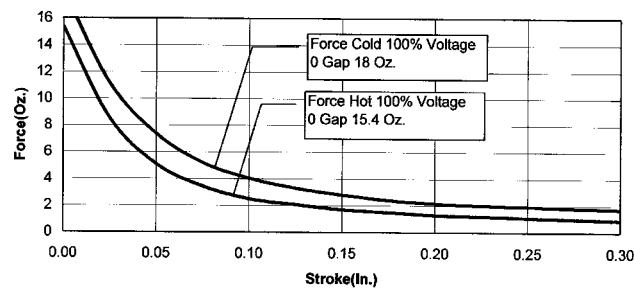
VOLTAGE	CONTINUOUS DUTY	RESISTANCE ±5%	INTERMITTENT DUTY	RESISTANCE ±5%	PULSE DUTY	RESISTANCE ±5%
PULL TYPE UNITS						
	P/N		P/N		P/N	
6 VDC	53764-80	7.2 OHMS	53764-86	2.4 OHMS	53764-92	.72 OHMS
12 VDC	53764-81*	29 OHMS	53764-87	9.6 OHMS	53764-93	2.9 OHMS
24 VDC	53764-82*	115 OHMS	53764-88*	38.4 OHMS	53764-94	11.5 OHMS
115 VDC	53764-84	2645 OHMS	53764-90	882 OHMS	53764-96	265 OHMS
PUSH TYPE UNITS						
6 VDC	53768-80	7.2 OHMS	53768-86	2.4 OHMS	53768-92	.72 OHMS
12 VDC	53768-81	29 OHMS	53768-87	9.6 OHMS	53768-93	2.9 OHMS
24 VDC	53768-82	115 OHMS	53768-88	38.4 OHMS	53768-94	11.5 OHMS
115 VDC	53768-84	2645 OHMS	53768-90	882 OHMS	53768-96	265 OHMS

*Black Items Are Normally Stocked.

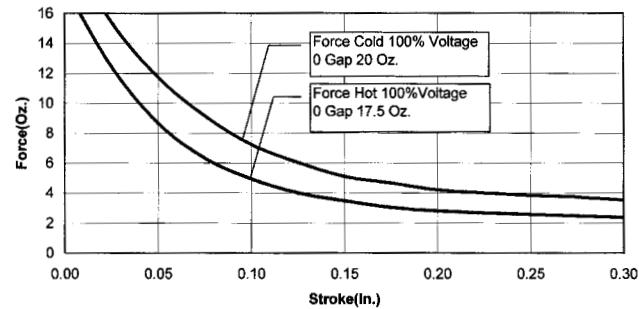
Purple Items Are Non Stock – Minimum Quantity May Be Required.

MED 8x1-1/2 TYPICAL FORCE CURVES (CLASS B)

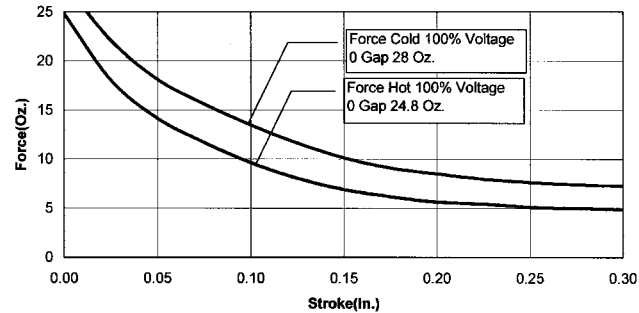
DC CONTINUOUS DUTY 5 WATTS



DC INTERMITTENT DUTY 15 WATTS



DC PULSE DUTY 50 WATTS



Standard intermittent duty cycle at nominal voltage is one (1) minute "ON" and three (3) minutes "OFF". Standard pulse duty cycle is 100 milliseconds "ON" and 900 milliseconds "OFF"

NOTE: Cold Force @ 25°C (77°F) Coil Temperature.
Hot Force @ 130°C (266°F) Coil Temperature.

NOTE: Approx. 16 sq. in. Heat Sink Required.