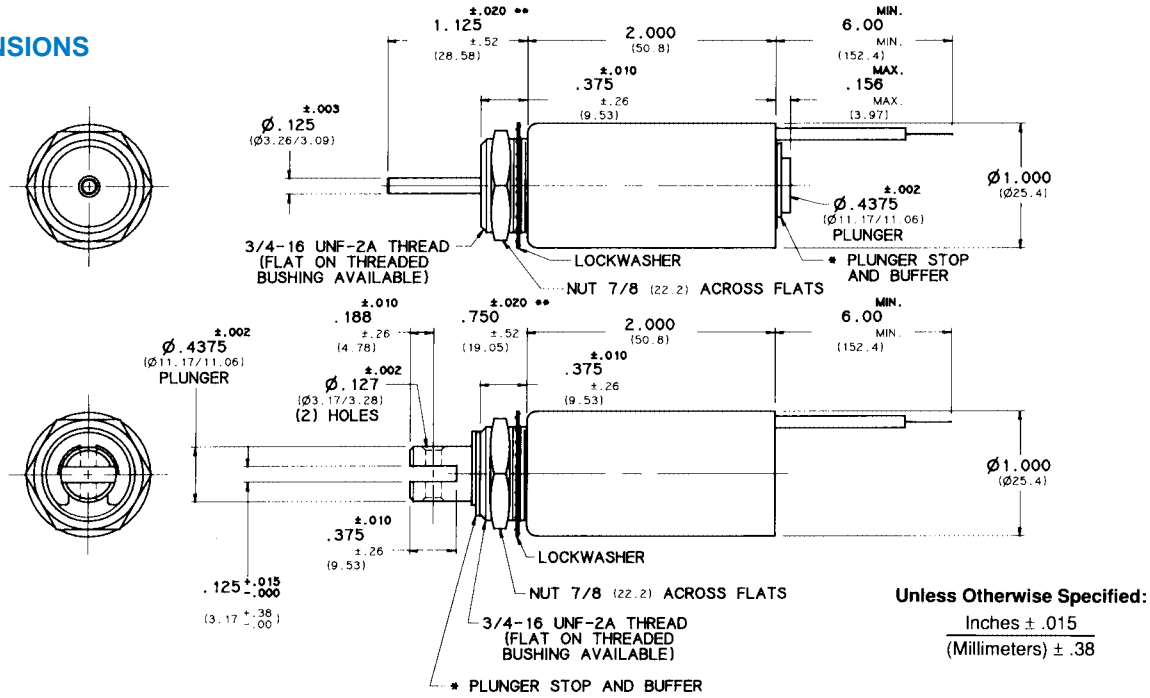


# MED-16x2

## TUBULAR SOLENOID

### DIMENSIONS



### INSULATION MATERIAL:

Class A Rating (standard)

### MAXIMUM OPERATING TEMPERATURE:

Class A – 105°C (221°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	10 W
Intermittent	24 W
Pulse	96 W

### UL INFORMATION:

UL File No. E57982 For Continuous Duty  
 UL File No. E74443 For Insulation Systems  
 S105

### WEIGHT:

Plunger – 1.53 Oz.

Total – 6.5 Oz.

### PLUNGER GUIDE MATERIAL:

Plastic (standard)

Stainless Steel (optional)

### LIFE EXPECTANCY:

10<sup>7</sup> Cycles Under Optimum Load Conditions

### TERMINATION:

Vinyl Wire Leads 24 AWG (standard)

### PLUNGER CONE ANGLE:

60 degrees (standard)

also available flat, 90 degrees, custom

### PULL TYPE MAXIMUM DIMENSIONS:

Length 2.983 In.

Diameter  $\phi$ 1.015 In.

Plunger Diameter  $\phi$ .4395 In.

### MAXIMUM STROKE:

.800 In.

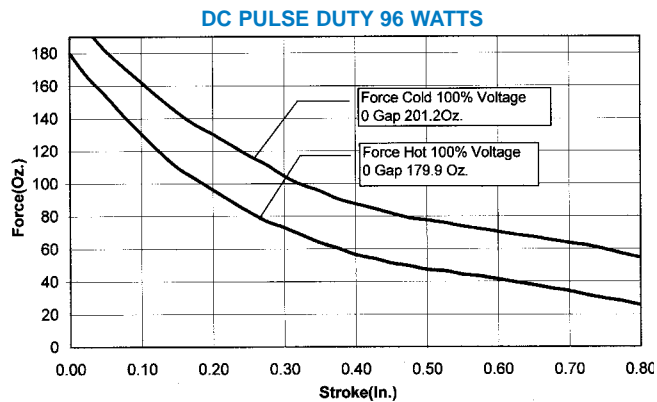
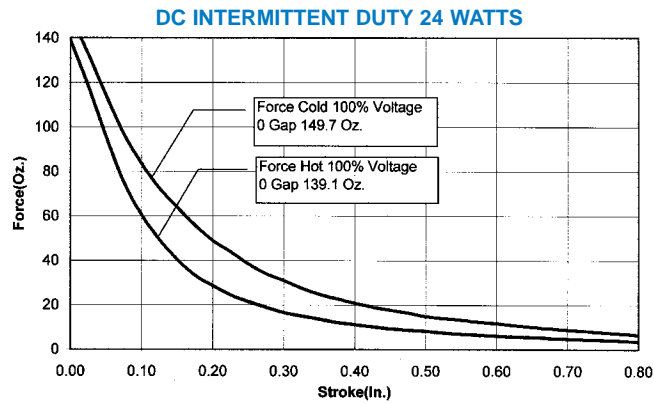
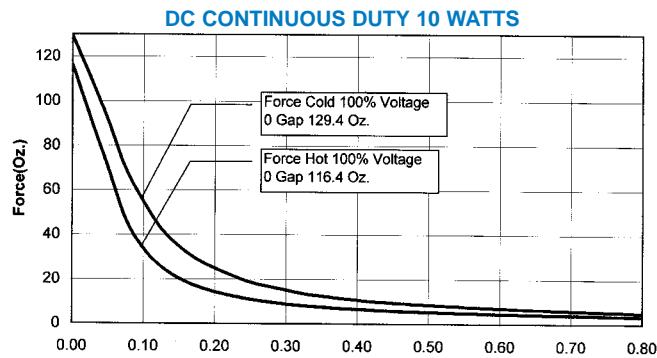
## MED-16x2 STANDARD COIL RATING

VOLTAGE	CONTINUOUS DUTY	RESISTANCE ±5%	INTERMITTENT DUTY	RESISTANCE ±5%	PULSE DUTY	RESISTANCE ±5%
<b>PULL TYPE UNITS</b>						
6 VDC	53753-80	3.8 OHMS	53753-86	1.5 OHMS	53753-92	.37 OHMS
12 VDC	53753-81*	15 OHMS	53753-87*	6 OHMS	53753-93	1.5 OHMS
24 VDC	53753-82*	60 OHMS	53753-88*	24 OHMS	53753-94	6 OHMS
115 VDC	53753-84	1500 OHMS	53753-90	600 OHMS	53753-96	150 OHMS
<b>PUSH TYPE UNITS</b>						
6 VDC	53757-80	3.8 OHMS	53757-86	1.5 OHMS	53757-92	.37 OHMS
12 VDC	53757-81*	15 OHMS	53757-87*	6 OHMS	53757-93	1.5 OHMS
24 VDC	53757-82*	60 OHMS	53757-88*	24 OHMS	53757-94	6 OHMS
115 VDC	53757-84	1500 OHMS	53757-90	600 OHMS	53757-96	150 OHMS

\*Black Items Are Normally Stocked.

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

### MED16x2 TYPICAL FORCE CURVES (CLASS A)



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. 36 sq. in. Heat Sink Required.