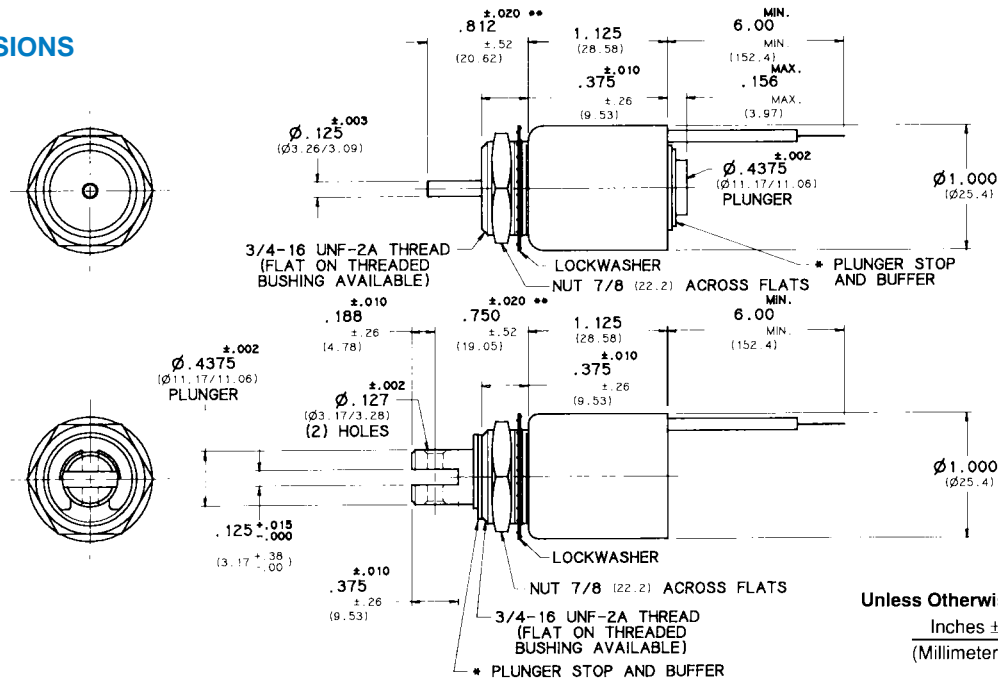


MED-16x1-1/8

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	8 W
Intermittent	19 W
Pulse	77 W

UL INFORMATION:

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

WEIGHT:

Plunger – 1.05 Oz.

Total – 4.375 Oz.

PLUNGER GUIDE MATERIAL:

Plastic (standard)

Stainless Steel (optional)

LIFE EXPECTANCY:

10⁷ 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 2.108 In.

Diameter ϕ 1.015 In.

Plunger Diameter ϕ .4395 In.

MAXIMUM STROKE:

.400 In.

MED-16x1-1/8 STANDARD COIL RATING

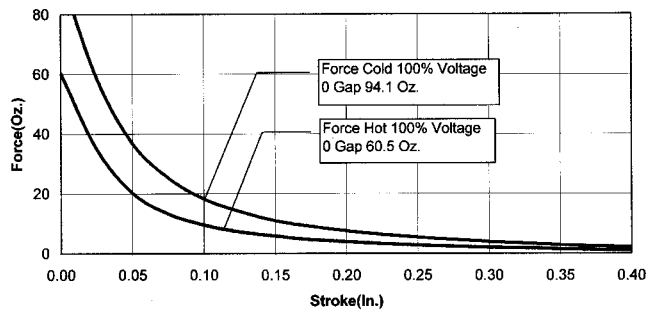
VOLTAGE	CONTINUOUS DUTY	RESISTANCE ±5%	INTERMITTENT DUTY	RESISTANCE ±5%	PULSE DUTY	RESISTANCE ±5%
PULL TYPE UNITS	P/N		P/N		P/N	
6 VDC	53754-80	4.7 OHMS	53754-86	1.9 OHMS	53754-92	.47 OHMS
12 VDC	53754-81*	19 OHMS	53754-87*	7.5 OHMS	53754-93	1.9 OHMS
24 VDC	53754-82*	75 OHMS	53754-88*	30 OHMS	53754-94	7.5 OHMS
115 VDC	53754-84	1900 OHMS	53754-90	750 OHMS	53754-96	190 OHMS
PUSH TYPE UNITS						
6 VDC	53759-80	4.7 OHMS	53759-86	1.9 OHMS	53759-92	.47 OHMS
12 VDC	53759-81	19 OHMS	53759-87	7.5 OHMS	53759-93	1.9 OHMS
24 VDC	53759-82	75 OHMS	53759-88	30 OHMS	53759-94	7.5 OHMS
115 VDC	53759-84	1900 OHMS	53759-90	750 OHMS	53759-96	190 OHMS

*Black Items Are Normally Stocked.

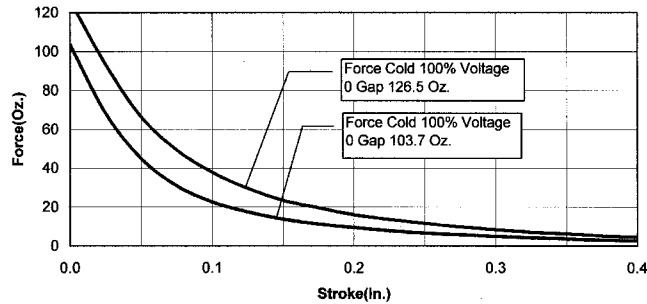
Blue Items Are Non Stock – Minimum Quantity May Be Required.

MED 16x1-1/8 TYPICAL FORCE CURVES (CLASS A)

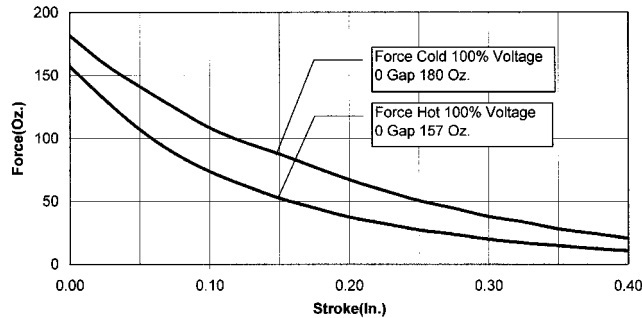
DC CONTINUOUS DUTY 8 WATTS



DC INTERMITTENT DUTY 19 WATTS



DC PULSE DUTY 77 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. 36 sq. in. Heat Sink Required.