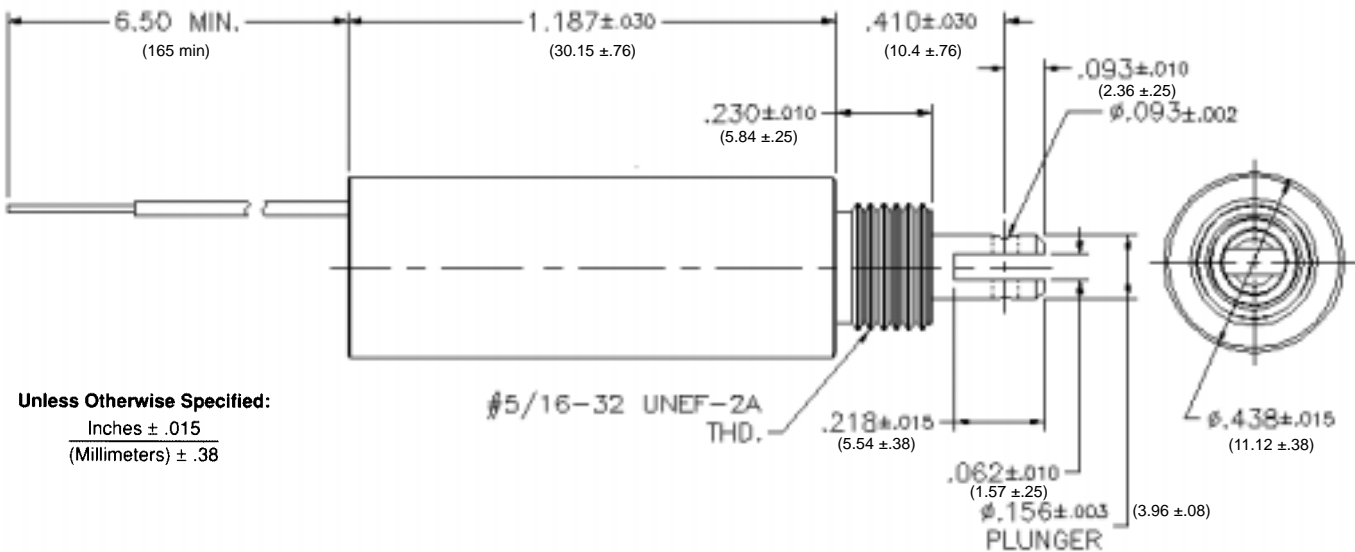


MED-7x1.19

TUBULAR SOLENOID

DIMENSIONS



Unless Otherwise Specified:
 Inches ± .015
 (Millimeters) ± .38

INSULATION MATERIAL:

Class A Rating (standard)

MAXIMUM OPERATING TEMPERATURE:

Class A – 105°C (221°F)

DIELECTRIC STRENGTH:

30 Volts and Under: 500 VRMS
 Over 30 Volts: 1,000 VRMS for one minute

STANDARD POWER RATINGS:

DUTY	NOMINAL DC POWER
Continuous	3 W
Intermittent	6 W
Pulse	30 W

UL INFORMATION:

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

WEIGHT:

Plunger – .1 Oz.
 Total – .5 Oz.

PLUNGER GUIDE MATERIAL:

Plastic (standard)

LIFE EXPECTANCY:

10⁷ Cycles Under Optimum Load Conditions

TERMINATION:

Vinyl Wire Leads 28 AWG (standard)

PLUNGER CONE ANGLE:

60 degrees (standard)
 also available flat, 90 degrees, custom

PULL TYPE MAXIMUM DIMENSIONS:

Length 1.76 In.
 Diameter Ø.453 In.
 Plunger Diameter Ø.159 In.

MAXIMUM STROKE:

.250 In.

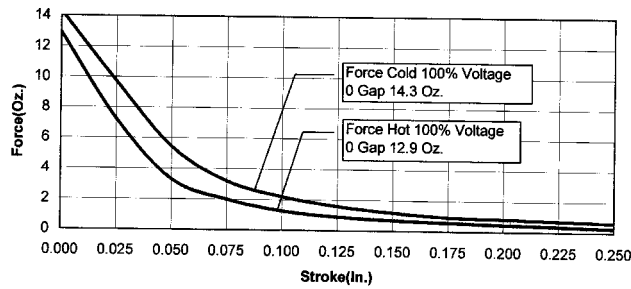
MED-7x1.19 STANDARD COIL RATING

VOLTAGE	CONTINUOUS DUTY	RESISTANCE ±10%	INTERMITTENT DUTY	RESISTANCE ±10%	PULSE DUTY	RESISTANCE ±10%
PULL TYPE UNITS						
	P/N		P/N		P/N	
6 VDC	53793-80	12 OHMS	53793-84	6 OHMS	53793-88	1.2 OHMS
12 VDC	53793-81	48 OHMS	53793-85	24 OHMS	53793-89	4.8 OHMS
24 VDC	53793-82	192 OHMS	53793-86	96 OHMS	53793-90	19.2 OHMS
110 VDC	—	—	53793-87	2017 OHMS	53793-91	403 OHMS
PUSH TYPE UNITS						
6 VDC	53794-80	12 OHMS	53794-84	6 OHMS	53794-88	1.2 OHMS
12 VDC	53794-81	48 OHMS	53794-85	24 OHMS	53794-89	4.8 OHMS
24 VDC	53794-82	192 OHMS	53794-86	96 OHMS	53794-90	19.2 OHMS
110 VDC	—	—	53794-87	2017 OHMS	53794-91	403 OHMS

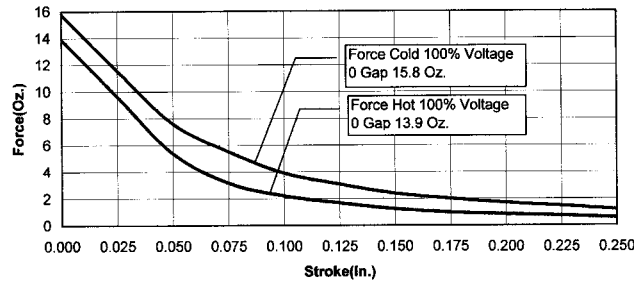
Non Stock – Minimum Quantity May Be Required.

MED 7x1.19 TYPICAL FORCE CURVES (CLASS A)

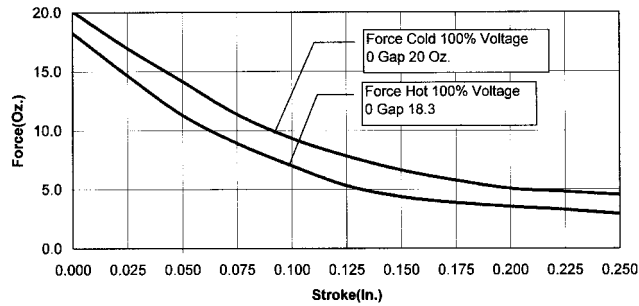
DC CONTINUOUS DUTY 3 WATTS



DC INTERMITTENT DUTY 6 WATTS



DC PULSE DUTY 30 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.