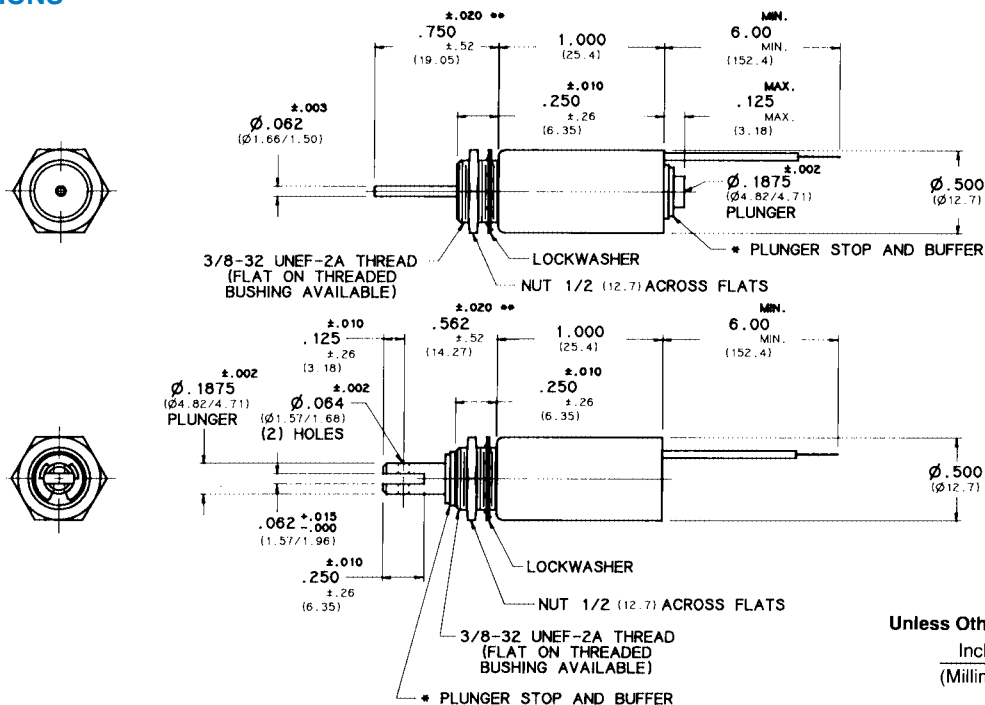


MED-8x1

TUBULAR SOLENOID

DIMENSIONS



Unless Otherwise Specified:
 Inches $\pm .015$
 (Millimeters) $\pm .38$

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	4 W
Intermittent	12 W
Pulse	42 W

UL INFORMATION:

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

WEIGHT:

Plunger – .16 Oz.
 Total – .875 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 1.275 In.
 Diameter Ø.515 In.
 Plunger Diameter Ø.1895 In.

MAXIMUM STROKE:

.300 In.

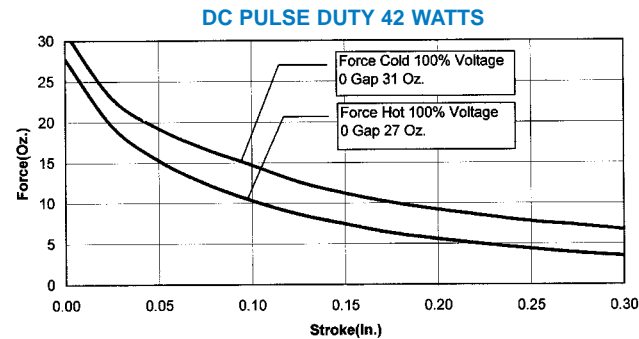
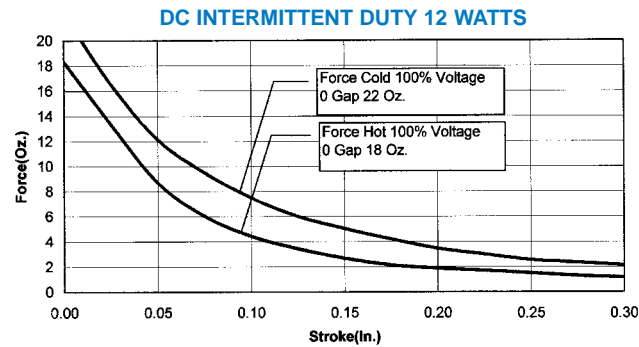
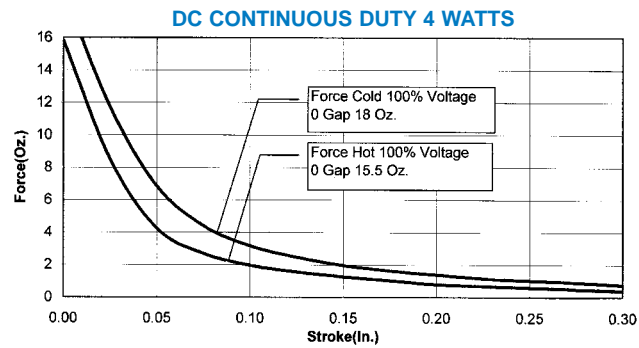
MED-8x1 STANDARD COIL RATING

VOLTAGE	CONTINUOUS DUTY	RESISTANCE ±5%	INTERMITTENT DUTY	RESISTANCE ±5%	PULSE DUTY	RESISTANCE ±5%
PULL TYPE UNITS	P/N		P/N		P/N	
6 VDC	53762-80	9.0 OHMS	53762-86	3.0 OHMS	53762-92	.90 OHMS
12 VDC	53762-81*	35 OHMS	53762-87*	12 OHMS	53762-93	3.5 OHMS
24 VDC	53762-82*	139 OHMS	53762-88	48 OHMS	53762-94	13.9 OHMS
115 VDC	53762-84	3300 OHMS	53762-90	1102 OHMS	53762-96	319 OHMS
PUSH TYPE UNITS						
6 VDC	53766-80	9.0 OHMS	53766-86	3.0 OHMS	53766-92	.90 OHMS
12 VDC	53766-81	35 OHMS	53766-87	12 OHMS	53766-93	3.5 OHMS
24 VDC	53766-82*	139 OHMS	53766-88*	48 OHMS	53766-94	13.9 OHMS
115 VDC	53766-84	3300 OHMS	53766-90	1102 OHMS	53766-96	319 OHMS

*Black Items Are Normally Stocked.

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

MED 8x1 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. 16 sq. in. Heat Sink Required.