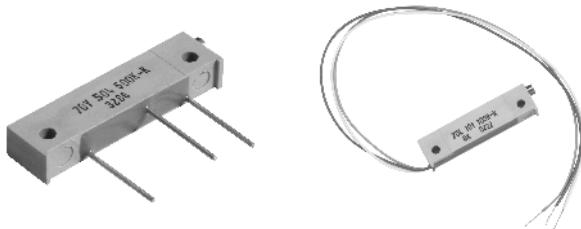


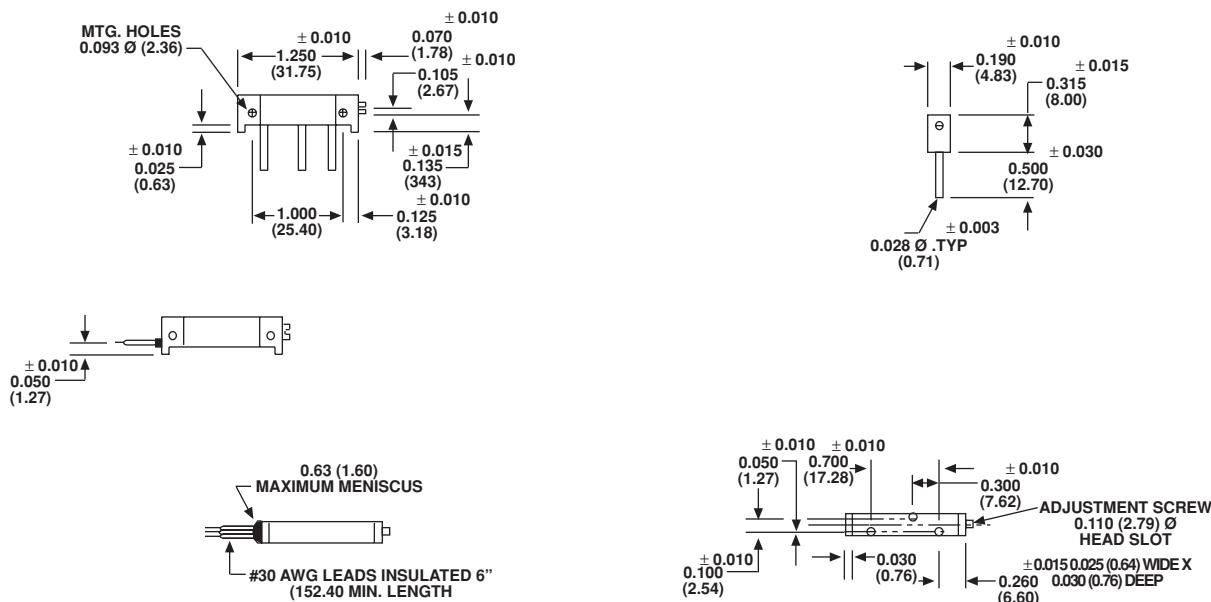
1 - 1/4" Rectangular Multi-Turn Cermet



FEATURES

- Improved Wiper
- Unique "T" Slider Block Design Assure Excellent Setability and Stability
- CRV of 3% or 3Ω
- Temperature coefficient of 100 ppm/°C
- RT Tolerance $\pm 10\%$ STD ($\pm 5\%$ Available)

DIMENSIONS in inches (millimeters)



ELECTRICAL SPECIFICATIONS	
Resistance Range	10Ω thru 2MΩ
Standard Resistance Tolerance	10% (para. 3.7.1)
End Resistance	2% maximum (para. 3.7.2)
Actual Effective Electrical Travel	20 turns nominal (para. 3.8)
Contact Resistance Variation	3% or 3Ω, whichever is greater (para. 3.9)
Dielectric Withstanding Voltage	1000 VAC at sea level, 350 VAC at 80.000 feet (para. 3.10) 24.400 meters
Insulation Resistance	1000MΩ (para. 3.11)
Power Rating	1.0 watt at 85°C derated linearly to zero watts at 150°C (para. 3.5) maximum voltage not to exceed 400 volts
Temperature coefficient of resistance	± 100ppm/°C 100Ω to 2MΩ - 100 to 200ppm/°C 10Ω, 20Ω and 50Ω

MECHANICAL SPECIFICATIONS

Stops	Wiper idles against stops (para. 3.4.7.1)
Operating Torque	5 oz-in (360 gm-cm) maximum (para. 3.12.1)
Rotational Life	200 cycles minimum with loaded circuit, maximum change in resistance 2% (para 3.23) or 500 cycles minimum without discontinuity unloaded
Weight	0.116 oz (3.3 grams) maximum

ENVIRONMENTAL SPECIFICATIONS

		MAXIMUM TOTAL RESISTANCE	CHANGE SETTING
Operating Temperature Range	- 55°C to + 150°C	—	—
Salt Spray	96 hours (para. 3.18)	—	—
Terminal Strength	2lbs (900gms) minimum push/pull (para. 3.24)	—	—
Sealed	All units sealed to permit cleaning in common solvents immersion	—	—
Thermal Shock	- 65°C to + 125°C (para. 3.13)	2%	1%
Shock	100g's 6ms (para 3.16)	1%	1%
Vibration	30g's 10 to 2000Hz (para. 3.17)	1%	1%
Load Life	1000 hours (para. 3.20)	3%	1%
Low Temperature Operation	- 55°C (para. 3.21)	2%	2%
High Temperature Exposure	+ 150°C (para. 3.22)	3%	2%
Resistance to Solder Heat	350°C for 3 seconds (para. 3.19)	1%	—

MARKING

Unit Identification: Manufacturer's name and part number including EIA resistance code, date code, circuit diagram and military style designation as applicable

ORDERING INFORMATION
70
MODEL

L
103
T000

TERMINAL STYLE

EIA RESISTANCE CODE

SPECIAL
(omit if standard)

L = Leadwire

T601 Panel mount added to terminal style L

Y = Printed circuit pins

SAP PART NUMBERING GUIDELINES

M	7	0	L	1	0	3	K	B	4	0	 	 	 	
MODEL	STYLE	OHMIC VALUE	TOL	PACKAGING CODE	SPECIAL (IF APPLICABLE)									

See the end of this data book for conversion tables



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