



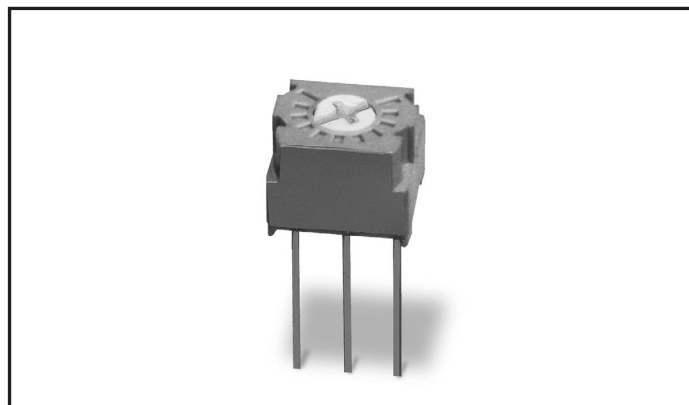
MODEL 25

1/4" Square

Single Turn

Cermet Trimming

Potentiometer



ELECTRICAL

Standard Resistance Range, Ohms	10 to 2Meg
Standard Resistance Tolerance	±20% (±10% available)
Input Voltage, Maximum	250 Vdc or rms not to exceed power rating
Power Rating, Watts	0.5 at 70°C derating to 0 at 125°C
End Resistance, Maximum	1% or 1 Ohm, whichever is greater
Actual Electrical Travel, Nominal	210°
Dielectric Strength	900Vrms
Insulation Resistance, Minimum	1,000 Megohms
Resolution	Essentially infinite
Contact Resistance Variation, Maximum	1% or 1 Ohm, whichever is greater

ENVIRONMENTAL

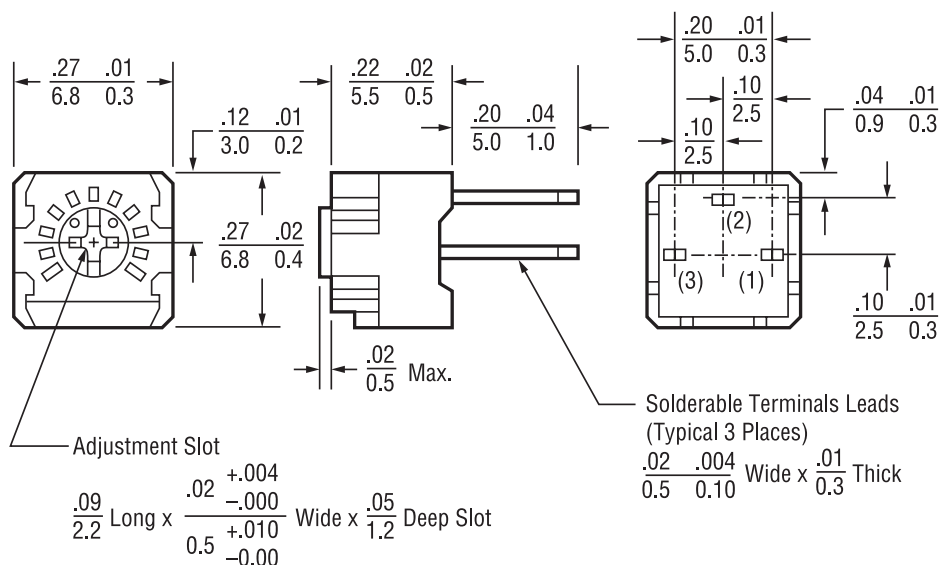
Seal	85°C Fluorinert® (No Leaks)
Temperature Coefficient, Maximum	±100ppm/°C
Operating Temperature Range	-55°C to +125°C
Thermal Shock	5 cycles, -55°C to +125°C (2% RT, 2% VR)
Moisture Resistance	Ten 24 hour cycles (3% RT)
Shock, 6ms Sawtooth	100G's (1% RT, 1% VR)
Vibration	20G's, 10 to 2,000 Hz (1% RT, 1% VR)
High Temperature Exposure	250 hours at 125°C (2% RT, 2% VR)
Rotational Life	200 cycles (2 Ohms +3% RT)
Load Life at 0.5 Watts	1,000 hours at 70°C (3% RT, 3% VR)
Resistance to Solder Heat	350°C for 3 sec. (1% RT)

MECHANICAL

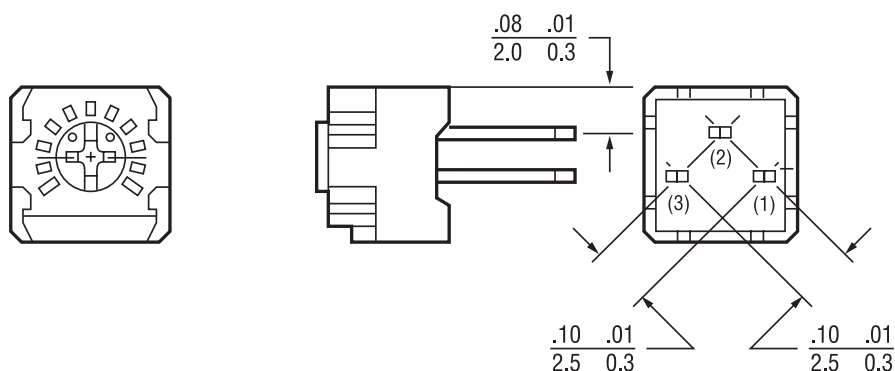
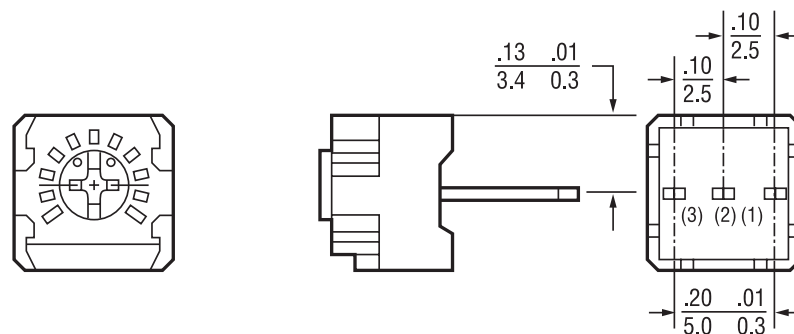
Mechanical Stops	Solid
Stop Strength, Minimum	6 oz.-in. (500 gr-cm)
Torque, Maximum	3 oz.-in. (200 gr-cm)
Weight, Nominal	.01 oz. (0.3 grams)

Fluorinert® is a registered trademark of 3M Company.
Specifications subject to change without notice.

TOP ADJUSTMENT (Inch/mm)

Model 25P
2/30750


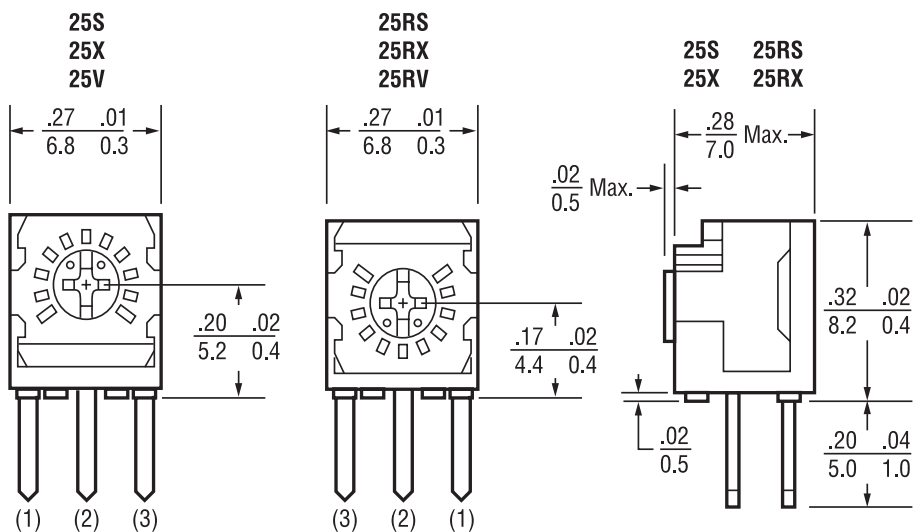
Note: Model 25P Dimensions Applicable To All Models Except As Noted

Model 25W

Model 25U


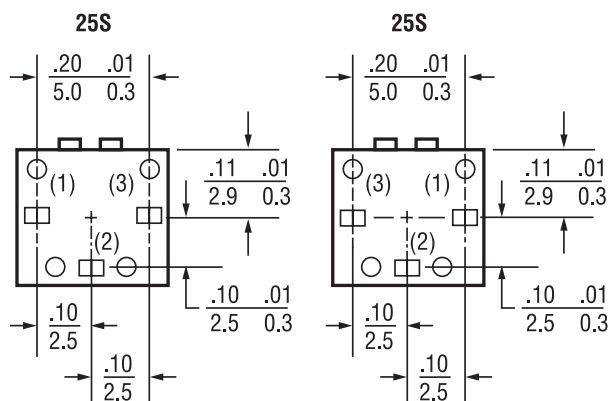
STANDARD RESISTANCE VALUES, OHMS

10	100	1K	10K	100K	1Meg
20	200	2K	20K	200K	2Meg
50	500	5K	50K	500K	

SIDE ADJUSTMENT (Inch/mm)

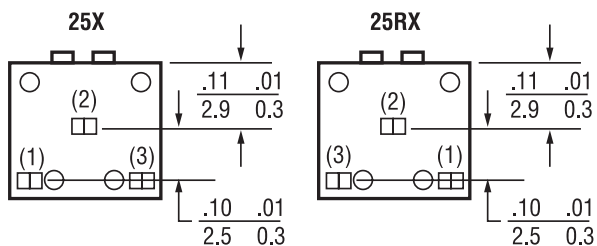


Model 25S and 25RS

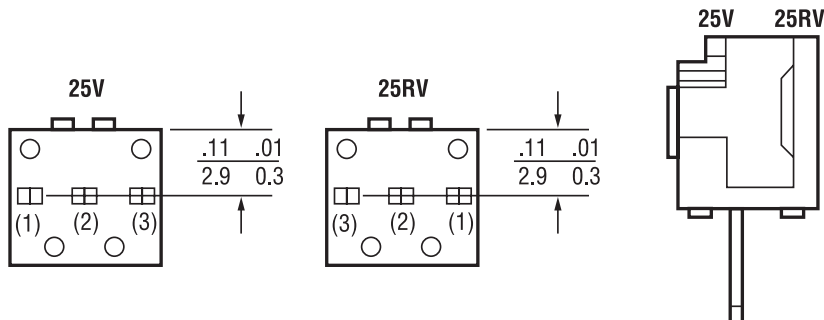


Note:
Models 25S And 25RS
Dimensions Applicable
To All Side Adjustment
Models Except As Noted.

Model 25X and 25RX



Model 25V and 25RV



PACKAGING

Standard: Boxes
Capacity = 100 Units

Option: Tubes (Available only for 25U and 25V)
All units oriented with #1 pin to same side.

	Pin Style	U	V
Magazine	Width	= .33" (8.4 mm)	.31" (7.9 mm)
	Height	= 0.59" (15 mm)	0.71" (18 mm)
	Length	= 19.7" (500 mm)	19.7 (500 mm)
	Capacity	= 70 Units	70 Units

Option: Tape & Reel, Ammo Pack (Available only for 25U and 25V)
All units oriented with #3 pin towards direction of feed.

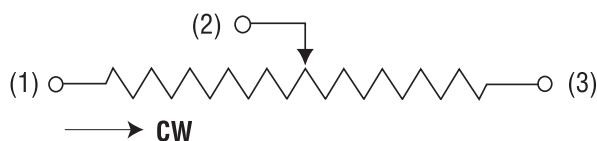
	Seat Plane to Centerline of Sprocket Hole	= .71" (18 mm)
Tape	Width	= 18 mm
	Sprocket	= Single Hole .50" spacing
	Capacity	= 1,000 Units
Reel	Diameter	= 14" (363 mm)
Ammo	Tape Fold	= 12"
	Box	= 2.0" x 13.4" x 13.8" (50mm x 340mm x 350mm)

ORDERING INFORMATION

Standard: 25 P R 10K
Model Series _____ Resistance Value
Pin Style _____ Resistance Prefix

Option: 25 U R 10K XX
Pin Style _____ Packaging Option
AP = Ammo Pack
TR = Tape & Reel
TB = Tubes

CIRCUIT DIAGRAM



NOTES

English equivalents are based on 1 inch = 25.4mm and are provided for general information only.

Tolerances unless otherwise specified:
Linear = ± 0.3 mm (.01 in.)

