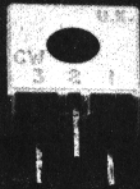


Series 363

3/8 in. sq. .5 Watt

Single-turn, Sealed, Cermet Trimmer



Description

The 363 series is a low cost, 3/8 in. sq. (9.53 mm), single-turn trimmer. Made in accordance to MIL-R-22097 standards, the 363 is sealed for cleaning in common solvents.

Features

- Low Cost
- Superior setability and stability
- CRV to 3% or 3 Ω
- 3 standard terminal styles

Series 363 Electrical Specifications

(per MIL-R-22097 where para. is noted)

Resistance Range

10 Ω thru 2 megohms

Resistance Tolerance

~~3%~~ ($\pm 10\%$ available)

Power Rating

0.5 watts at 70°C derated linearly to zero watts at 125°C.
Maximum voltage not to exceed 400V.

Effective Rotation

270° nominal

Temperature Coefficient Of Resistance

± 100 ppm/°C, 100 Ω thru 2 megohms;
0 to +250 ppm/°C, below 100 Ω

Dielectric Withstanding Voltage

1000 Vac at sea level;
250 Vac at 80,000 feet (24,400 meters) (para. 3.10)

End Resistance

2 Ω or 1%, whichever is greater (para. 3.7.2)

Insulation Resistance

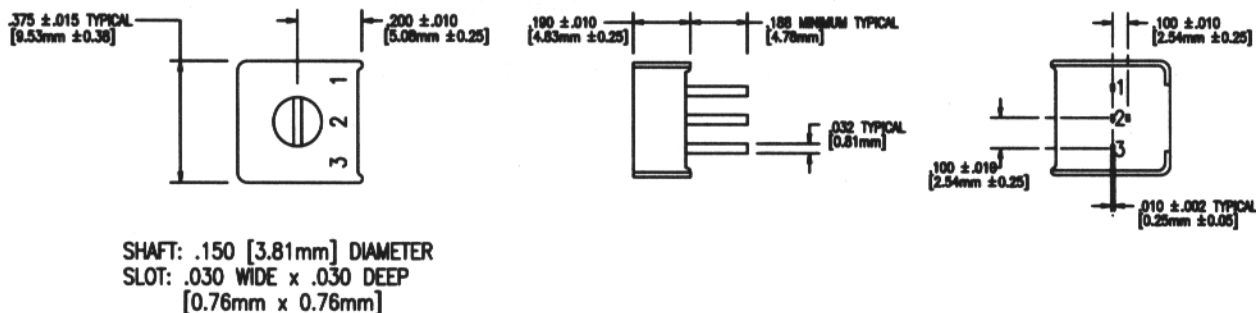
1000 megohms minimum (para. 3.11)

Contact Resistance

3% or 3 Ω , whichever is greater (para. 3.9)

Figure 1

Dimensions: 363P



Series 363 Mechanical Specifications

Stop
Solid

Operating Torque
5.0 oz. in. (360 gm. cm.) maximum

Rotational Life
200 cycles minimum,
2% maximum resistance change
(para. 3.23).

Weight
0.03 oz. (0.85 grams) maximum

Resistance Element
Cermet

Setability
0.05% Rt.

Mechanical Rotation
300° nominal

Series 363 Operational Specifications

Solderability
95% minimum surface coverage (para. 3.25)

Terminal Strength
2 lbs. (900 grams) minimum (para. 3.24)

Sealing
Sealed to permit cleaning in common industrial solvents.

Operating Temperature Range
-55°C to +125°C

Thermal Shock
-55°C to +125°C (para. 3.13)

		Maximum Change	
		Total Resistance	Setting
Shock	100 G's 11 MS (para. 3.16)	1%	1%
Vibration	30G's 10 to 2000 Hz (para. 3.17)	1%	1%
Load Life	1000 hours (para. 3.20)	3%	1%
Low Temperature Exposure	-55°C (para. 3.21)	2%	2%
High Temperature Exposure	+125°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 and terminal identification.

Figure 2

Dimensions: 363X

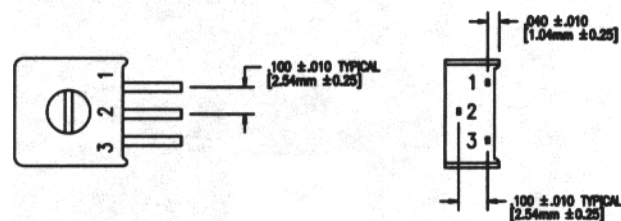
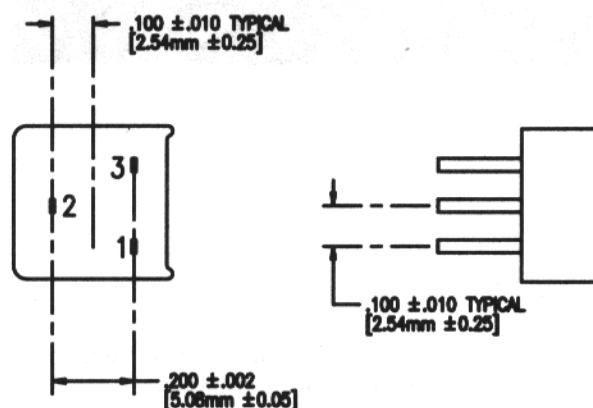


Figure 3

Dimensions: 363M



Series 363 Standard Resistance Values

Stock Values (Ohms)

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

Packaging

5 per pack.
Special values available; please consult Factory.

Series 363 How To Order

Example: **363-M-200K**

363	M	200K
Series	Pin Layout	Resistance Value
	M	
	P	
	X	