imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Model 7380 Series

Features:

- 7/8" diameter
- 3-turn
- Wirewound





Model Styles

1/8" Shaft, 1/4" Bushing
1/8" Shaft, Servo
1/4" Shaft, 3/8" Bushing
1/4" Shaft, 3/8" Bushing

Electrical

Resistance Range	100 to 30K ohms
Standard Resistance Tolerance	±5%
Minimum Practical Resistance Tolerance	±1%
Independent Linearity ²	±0.30% (<500 ohms), ±0.25% (≥500 ohms)
Minimum Practical Independent Linearity	±0.30% (<500 ohms), ±0.20% (≥500 ohms)
Power Rating	1.5 Watts at 70°C, derating to 0 at 125°C
Dielectric Strength	1,000 V rms
Insulation Resistance	1,000 Megohms minimum
Noise	100 ohms maximum
Actual Electrical Travel	1080° +10° -0° (>100 ohms), 1080° +10° -5° (≤100 ohms)
End Voltage	maximum 0.25% of input voltage
Tap Tolerance	±3°

Environmental

-40°C to +125°C dynamic, -55°C to +125°C static
5 cycles, -55°C to +125°C, maximum 5% ΔR
6 ms Saw-tooth, 100 G's, 0.1 ms maximum discontinuity
15 G's, 10 to 2,000 Hz, maximum 5% $\Delta R,$ 0.1 ms maximum discontinuity
Five 24 hour cycles, maximum 3% ΔR
1,000 hours at 125°C, maximum 5% ΔR
300K shaft revolutions + 900 hours at 1.5 Watts & 70°C, maximum 5% ΔR
IP50, IP66 available as option (feature code ES)

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

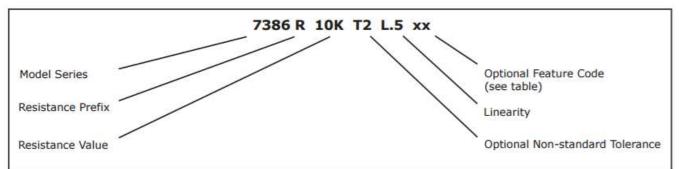
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Mechanical

Total Mechanical Travel			1080° +15° -0°
Number of Gangs			2 maximum
Weight (single gang)			0.75 oz. nominal
Backlash			1° maximum
		7381, 7386	7383
Static Stop Strength	maximum	48 ozin.	36 ozin.
Panel Nut Tightening Torque	maximum	25 lbin.	n/a
Shaft End Play	maximum	0.010"	0.005″
Shaft Runout	maximum T.I.R.	0.003"	0.002"
Pilot Diameter Runout	maximum T.I.R.	0.004″	0.002"
Lateral Runout	maximum T.I.R.	0.005"	0.004"
Shaft Radial Play	maximum	0.003"	0.002"
Start/Run Torque (per gang, ES option adds 0.5 ozin.)	maximum	1.2 ozin.	0.9 ozin.

Ordering Information



FEATURE CODES

Center Tap	СТ
Linearity Tape	LT
Flatted Shaft	FS
Slotted Shaft (standard on single cup 7386 without RS feature)	SS
Rear Shaft Extension (7381, 7386 single cup only)	RS
Shaft Lock (7386 only)	SL
High Torque 2-6 ozin. (7386 only)	НТ
Additional Gang	2G
Gold Plated Solder Lug Terminals (see optional terminal configuration)	
Seal (IP66) 7386 or 7388 only	ES

When multiple Feature codes are used the P/N shall be in the same sequence as listed in this table (top to bottom).

STANDARD RESISTANCE VALUES

Total Resistance (Ohms)	Theoretical Resolution (% nominal)	Tempco of wire (ppm/°C)
100	0.059	±20
200	0.037	±20
500	0.030	±20
1K	0.024	±20
2К	0.020	±20
5К	0.018	±20
10K	0.017	±20
20K	0.016	±20

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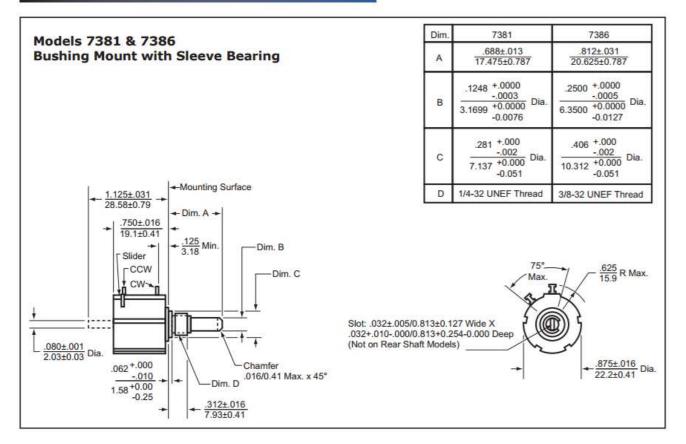


CIRCUIT DIAGRAM

MATCHING TURNS COUNTING DIALS

7381: RBJ, 2601, 2641 7386: RB, 2126, 2606, 2606S, 2607, 2607S, 2626, 2627, 2646, 2646S, 2647, 2647S

OUTLINE DRAWINGS

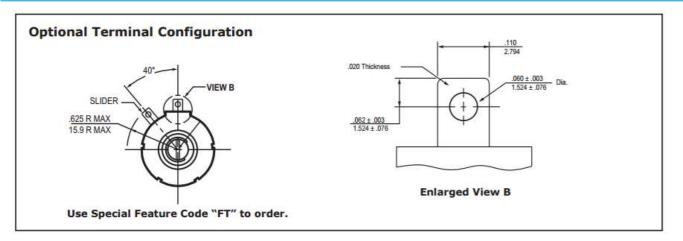


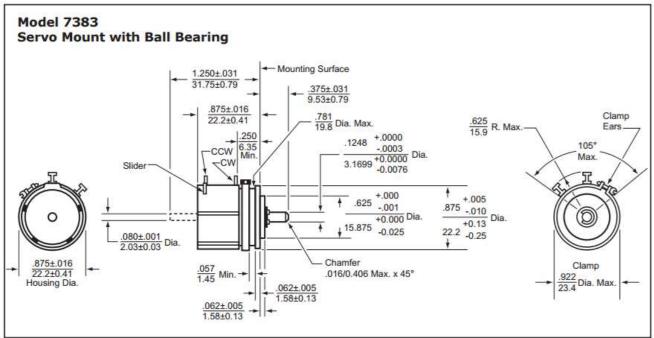
General Note

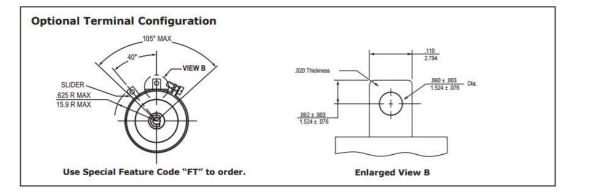
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