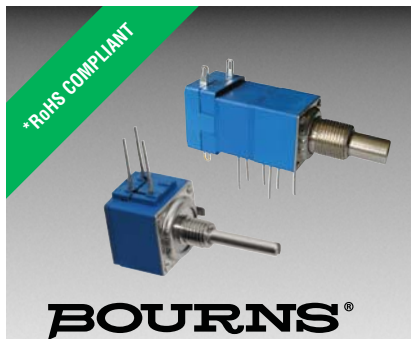




Features

- Metal shaft and bushing
- Consistent, smooth quality feel
- Up to 4 sections available
- Rotary switch option designed for "on-off" function control
- RoHS compliant*

81/82 - 5/8 " Square Single-Turn Panel Control

85/86 - 5/8 " Square Single-Turn Panel Control with Rotary Switch

Potentiometer Specifications

Initial Electrical Characteristics ¹	Conductive Plastic Element	Cermet Element
Standard Resistance Range		
Linear Tapers (A, B, E, & H)	(B & E) 1 K ohms to 1 megohm	(A & H) 100 ohms to 1 megohm
Audio Tapers (C, D, F, G, S, & T)	(D, G, S, & T) 1 K ohms to 1 megohm	(C & F) 1 K ohms to 1 megohm
Total Resistance Tolerance	±20 % or 10 %	±10 % or 5 %
Independent Linearity	±5 %	±5 %
Absolute Minimum Resistance	2 ohms maximum	2 ohms maximum
Effective Electrical Angle	(Linear tapers) 240 ° ± 5 ° (Audio tapers) 225 ° ± 5 °	(Linear tapers) 240 ° ± 6 ° (Audio tapers) 225 ° ± 6 °
Contact Resistance Variation	±1 %	±1 % or 3 ohms (whichever is greater)
Dielectric Withstanding Voltage (MIL-STD-202, Method 301)		
Sea Level	1,500 VAC minimum	1,500 VAC minimum
70,000 Feet	500 VAC minimum	500 VAC minimum
Insulation Resistance (500 VDC)	1,000 megohms minimum	1,000 megohms minimum
Power Rating At 70 °C (Voltage Limited By Power Dissipation or 350 VAC, Whichever Is Less)		
+70 °C Single Section Assembly	(Linear tapers) 1 watt (Audio tapers) 0.5 watt	(Linear tapers) 2 watts (Audio tapers) 1 watt
+70 °C Multiple Section Assembly	(Linear tapers) 0.5 watt/section (Audio tapers) 0.25 watt/section	(Linear tapers) 1 watt/section (Audio tapers) 0.5 watt/section
+125 °C	0 watt	0 watt
Theoretical Resolution	Essentially infinite	Essentially infinite

Environmental Characteristics¹

Operating Temperature Range	-40 °C to +125 °C	-40 °C to +125 °C
Storage Temperature Range	-55 °C to +125 °C	-55 °C to +125 °C
Temperature Coefficient Over Storage Temperature Range	±1,000 ppm/°C	±150 ppm/°C
Vibration (Single Section)	15 G	15 G
Total Resistance Shift	±2 % maximum	±2 % maximum
Voltage Ratio Shift	±5 % maximum	±5 % maximum
Shock (Single Section)	30 G	30 G
Total Resistance Shift	±2 % maximum	±2 % maximum
Voltage Ratio Shift	±5 % maximum	±5 % maximum
Load Life	1,000 hours	1,000 hours
Total Resistance Shift	±10 % maximum	±5 % maximum
Rotational Life (No Load)	100,000 cycles	100,000 cycles
Total Resistance Shift	(Linear taper) 10 ohms or ±10 % TRS max. (whichever is greater) (Audio taper) ±20 % maximum	(All tapers) ±5 % TRS maximum
Contact Resistance Variation @ 50,000 cycles		
(Audio taper)	±3 %	±3 %
(Linear taper)	±2 %	±2 %
Moisture Resistance (MIL-STD-202, Method 103, Condition B)		
Total Resistance Shift	(B & E tapers) ±10 % maximum (D, G, S & T tapers) ±20 % maximum	±5 % maximum (all tapers)
Insulation Resistance (500 VDC)	100 megohms minimum	100 megohms minimum
IP Rating	IP40	IP40

Mechanical Characteristics

Stop Strength	
1/4 " and 1/8 " diameter shafts	45.19 N-cm (4 lb.-in.)
7/8 " length shaft	22.6 N-cm (2 lb.-in.)
Mechanical Angle	300 ° ±5 °
Torque	
Starting and Running Torque (Non-Locking Bushings)	
Single Section	0.14 to 1.06 N-cm (0.2 to 1.5 oz.-in.)
Dual Section	0.14 to 1.06 N-cm (0.2 to 1.5 oz.-in.)
Triple Section	0.35 to 1.41 N-cm (0.5 to 2.0 oz.-in.)
Quadruple Section	0.35 to 1.41 N-cm (0.5 to 2.0 oz.-in.)
Starting and Running Torque (Locking Bushings)	0.14 to 2.82 N-cm (0.2 to 4.0 oz.-in.)
Shaft Locking Torque with Locknut @ 10 in.-lb. (B & E Bushings)	14 N-cm (20 oz.-in.)
Mounting	1.7-2.0 N-m (15-18 lb.-in.) maximum
Weight (Single Section)	21 grams maximum
(Each Additional Section)	6 grams maximum
Terminals	Printed circuit terminals or J-Hooks
Soldering Condition	Recommended hand soldering using Sn95/Ag5 no clean solder, 0.025 " wire diameter. Maximum temperature 399 °C (750 °F) for 3 seconds. No wash process to be used with no clean flux.
Marking	Manufacturer's trademark, wiring diagram, date code and resistance, manufacturer's part number
Ganging (multiple section potentiometers)	4 cup maximum
Hardware	One lockwasher and one mounting nut is shipped with each potentiometer, except where noted in the part number.

For dimensional drawings see pages 3 & 4.

For ordering information see page 5.

NOTE: Model 81/82 performance specifications do not apply to units subjected to printed circuit board cleaning procedures.

¹At room ambient: +25 °C nominal and 50 % relative humidity nominal, except as noted.

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.

81/82 - 5/8 " Square Single-Turn Panel Control
85/86 - 5/8 " Square Single-Turn Panel Control with Rotary Switch

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Rotary Switch Specifications

Initial Electrical Characteristics¹

Contacts:	
DPST.....	N.O./N.O., N.C./N.C. or N.O./N.C.
DPDT.....	2 N.O./N.C. (break before make)
Power Rating (Resistive Load):	
DPST.....	2 A @ 125 volts RMS-60 Hz or 2 A @ 28 VDC, 1 A @ 250 volts RMS-60 Hz
DPDT.....	1 A @ 125 volts RMS-60 Hz or 1 A @ 28 VDC
Contact Resistance (0.1 VDC-10 mA).....	10 milliohms nominal
Contact Bounce.....	5 milliseconds maximum
Dielectric Withstanding Voltage (MIL-STD-202, Method 301)	
Sea Level.....	1500 VAC minimum
Insulation Resistance.....	1000 megohms minimum

Environmental Characteristics¹

Operating Temperature Range.....	-40 °C to +70 °C
Storage Temperature Range.....	-65 °C to +125 °C
Vibration (Dual Section).....	8 G
(Triple Section).....	5 G
(Quadruple Section).....	3 G
Contact Resistance.....	10 milliohms maximum
Contact Bounce.....	0.1 millisecond maximum
Shock (Dual Section).....	20 G
(Triple Section).....	15 G
(Quadruple Section).....	10 G
Contact Resistance.....	10 milliohms maximum
Contact Bounce.....	0.1 millisecond maximum
Rotational Life.....	25,000 cycles
Switch Actuating Torque (50% Duty cycle @ Rated Power Load).....	1.41 to 4.94 N-cm (2 to 7 oz.-in.)
Contact Resistance.....	100 milliohms maximum
Moisture Resistance (MIL-STD-202, Method 106, Condition B)	
Contact Resistance (0.1 VDC-10 mA).....	10 milliohms maximum
Insulation Resistance (After 24 Hours @ Room Temperature) (500 VDC).....	100 megohms minimum
Switch Housing Material.....	High temperature, flame retardant, thermosetting plastic

Mechanical Characteristics¹

Actuating Torque (Each Section, Switch Module Only).....	3.53 to 10.6 N-cm (5 to 15 oz.-in.)
Running Torque (Out of Detent, 2-4 Module Assembly).....	0.21 to 1.41 N-cm (0.3 to 2 oz.-in.)
Detent.....	CW or CCW standard
Actuation Angle.....	25 °
Contact Materials.....	Fine silver with gold overlay
Terminal Styles.....	Solder lug only
Standard Orientation.....	In-line with control terminals
Optional.....	Rotated 90 ° CCW from standard
Terminal Strength (Before and After Soldering Heat Exposure).....	0.9 Kg (2 lbs.) minimum

NOTE: Model 81/82 performance specifications do not apply to units subjected to printed circuit board cleaning procedures.

¹At room ambient: +25 °C nominal and 50 % relative humidity nominal, except as noted.

Specifications are subject to change without notice.

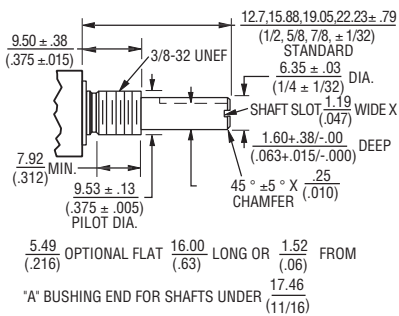
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

81/82 - 5/8 " Square Single-Turn Panel Control

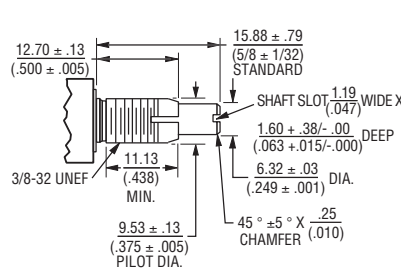
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Product Dimensions

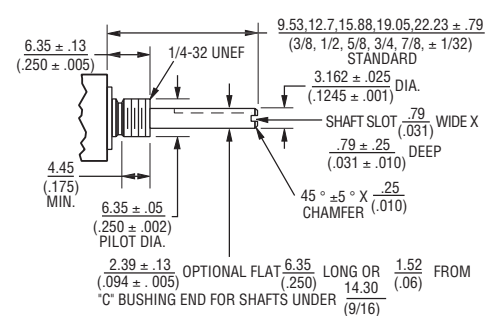
"A" Bushing
3/8 " (9.53 mm) Dia. Plain - Single Shaft



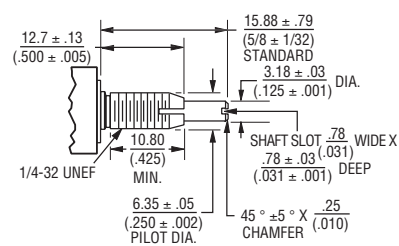
"B" Bushing
3/8 " (9.53 mm) Dia. Plain - Single Shaft



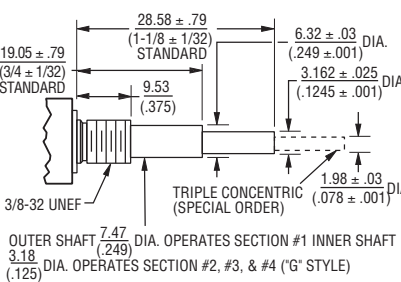
"C" Bushing
1/4 " (6.35 mm) Dia. Plain - Single Shaft



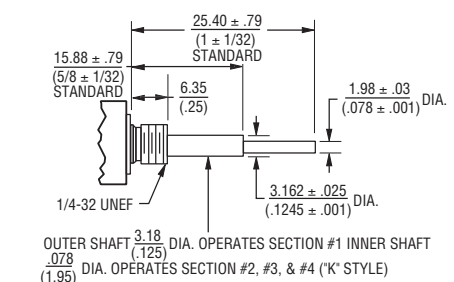
"E" Bushing
1/4 " (6.35 mm) Dia. Locking - Single Shaft



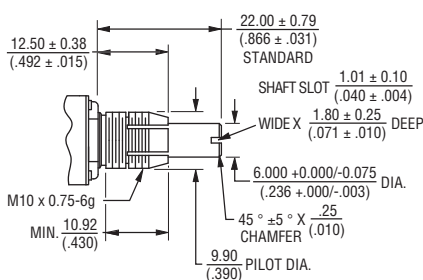
"A" Bushing
3/8 " (9.53 mm) Dia. Plain - Concentric Shaft



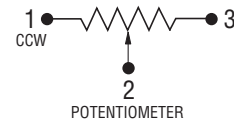
"C" Bushing
1/4 " (6.35 mm) Dia. Plain - Concentric Shaft



"S" Bushing
10 mm Dia. Locking - Single Shaft



DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$



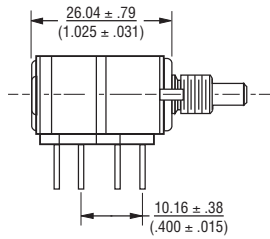
Specifications are subject to change without notice.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.

81/82 - 5/8 " Square Single-Turn Panel Control

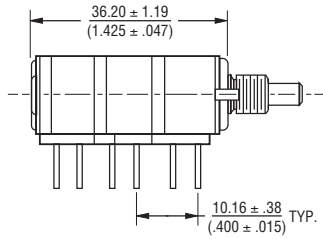
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Product Dimensions

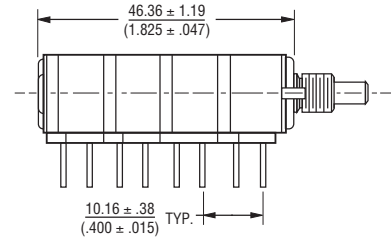
Dual Unit - PC Pins & J-Hook



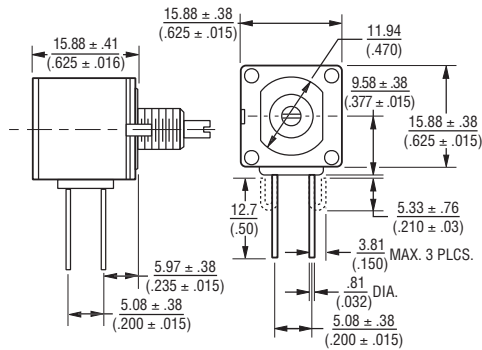
Triple Unit - PC Pins & J-Hook



Quad Unit - PC Pins & J-Hook

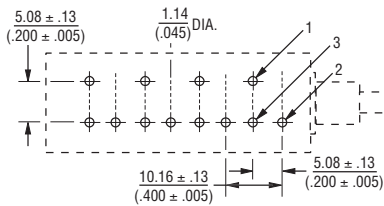


**Model 81/82
Single Unit - PC Pins & J-Hook**



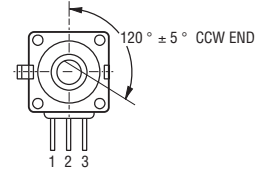
Terminal outlines shown as solid lines represent PC Pins, available on Model 81. Dashed line terminal outline represents "J" Hook, available on Model 82.

**Model 81
Suggested PC Board Layout - PC Pins
(Single-Shaft Style Bottom View)**

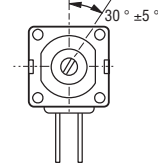


Note: For units with dual concentric shaft styles, a 2.54 (.100) spacer is added between the module(s) driven by the outer shaft and those driven by the inner shaft. For G, K, or V shafts, add the spacer between modules 1 and 2. For L or M shafts, add the spacer between modules 2 and 3. For N or P shafts, add the spacer between modules 3 and 4.

Shaft Flat Orientation*



FLATTED SHAFT



SLOTTED SHAFT

*EXCLUDES MODELS 83 AND 84

DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

Specifications are subject to change without notice.

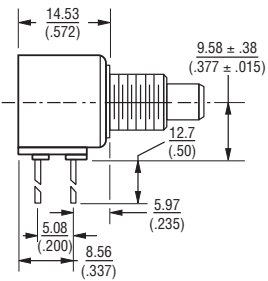
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

85/86 - 5/8 " Square Single-Turn Panel Control with Rotary Switch

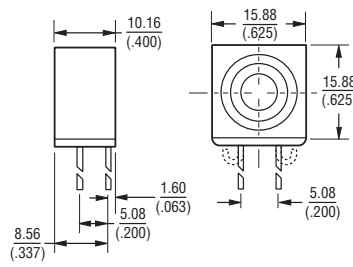
BOURNS®

Product Dimensions

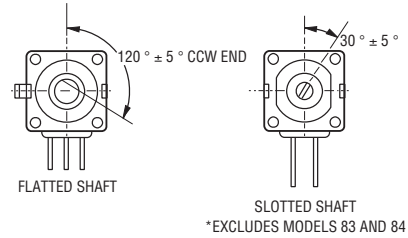
Primary Potentiometer Module Model 85/86



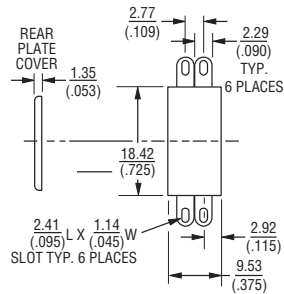
Secondary Potentiometer Module Model 85/86



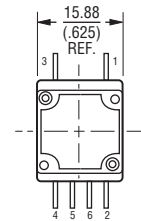
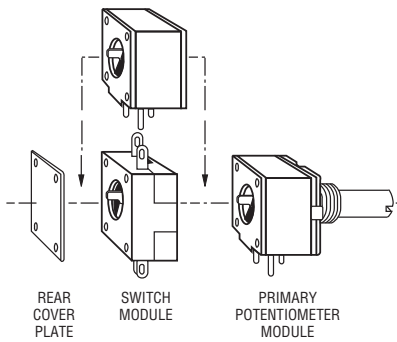
Shaft Flat Orientation*



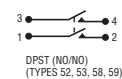
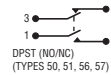
Switch Module Model 85/86



Assembly Sequence Model 85/86 Secondary Potentiometer Module

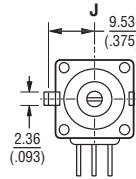
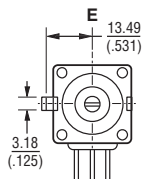
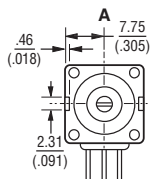


NOTE: Switch terminals shown in vertical position.

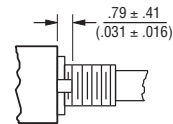


Switch contacts shown in detent position.

Locating Lug Options - All Model 80 Series



$$E = \frac{2.36 \pm .76}{(.093 \pm .03)} \quad H \text{ \& J } = \frac{1.98 \pm .41}{(.078 \pm .016)}$$



NOTE: "D" OPTION - NO A/R LUG. OTHER LOCATING LUG OPTIONS AVAILABLE. FOR DETAILS CONSULT FACTORY.

DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

TOLERANCES EXCEPT AS SHOWN: DECIMAL .XXX ± $\frac{.127}{(.005)}$
 .XX ± $\frac{.38}{(.015)}$
 ANGLE ± 5 %

81/82 - 5/8 " Square Single-Turn Panel Control 85/86 - 5/8 " Square Single-Turn Panel Control with Rotary Switch

BOURNS®

How To Order

81	A	2	A	-	B	28	-	A	15
85	A	2	A	-	B	28	-	A	15

ANTI-ROTATION LUG	
A	Single .305 R, 90 °CW
B	Double .305 R, 90 ° & 270 °CW
C	Single .305 R, 270 °CW
D	No Lug
E	Single .531 R, 90 °CW
F	Single .305 R, 180 °CW
J	Single .375 R, 90 °CW
K	Double .375 R, 90 ° & 270 °CW

# SECTIONS	APPLICABLE MODELS
1 Single	81,82
2 Double	81,82,85,86
3 Triple	81,82,85,86
4 Quad	81,82,85,86

BUSHING	
A	Plain 3/8 " (9.53 mm) D x 3/8 " (9.53 mm) L
B	Locking 3/8 " (9.53 mm) D x 1/2 " (12.7 mm) L
C	Plain 1/4 " (6.35 mm) D x 1/4 " (6.35 mm) L
E	Locking 1/4 " (6.35 mm) D x 1/2 " (12.7 mm) L
J	Plain 3/8 " (9.53 mm) D x 1/4 " (6.35 mm) L
N	Plain 1/4 " (6.35 mm) D x 3/8 " (9.53 mm) L
R	Plain 10 mm D x 9 mm L
S	Locking 10 mm D x 12.5 mm L
U	Plain 7 mm D x 6 mm L

SHAFT LENGTH (FMS)		AVAILABLE ONLY IN BUSHING CODE
Code	Description	
12	3/8 " L	C, N, J
16	1/2 " L	A, C, J, N
20	5/8 " L	A, B, C, E, J, N
24	3/4 " L	A, B, C, E, J, N
28	7/8 " L	A, B, C, E, J, N
32	1 " L	A, B, C, E, J, N
36	1-1/8 " L	A, B, C, E, J, N
40	1-1/4 " L	A, B, C, E, J, N
Metric		
10	10 mm L	U
13	13 mm L	U
16	16 mm L	R, S
19	19 mm L	R, S
22	22 mm L	R, S, U
30	30 mm L	R, S
42	42 mm L	R, S
50	50 mm L	R, S

MODEL	
81	Single-Turn, PC Pins
82	Single-Turn, J-Hooks
85	Single-Turn, Pot/Rotary Switch, PC Pins
86	Single-Turn, Pot/Rotary Switch, J-Hooks

SHAFT TYPE		AVAILABLE ONLY IN	
		LENGTHS (CODE)	BUSHINGS (CODE)
A	Single Plain 1/4 " (6.35 mm) D	16,20,24,28	A, B, J
B	Single Slotted 1/4 " (6.35 mm) D	16,20,24,28	A, B, J
C	Single Flatted 1/4 " (6.35 mm) D	20,24,28	A, B, J
E	Single Slotted 1/8 " (3.18 mm) D	12,16,20,24,28	C, E, N
F	Single Flatted 1/8 " (3.18 mm) D	24	C, N
G	Dual Concentric Plain 1/4 " (6.35 mm) D - 1/8 " (3.18 mm) D	36,40	A, J
K	Dual Concentric Plain 1/8 " (3.18 mm) D - 5/64 " (1.98 mm) D	32,36	C, N
L	Dual Concentric Plain 1/4 " (6.35 mm) D - 1/8 " (3.18 mm) D	36,40	A, J
M	Dual Concentric Plain 1/8 " (3.18 mm) D - 5/64 " (1.98 mm) D	32,36	C, N
N	Dual Concentric Plain 1/4 " (6.35 mm) D - 1/8 " (3.18 mm) D	36,40	A, J
P	Dual Concentric Plain 1/8 " (3.18 mm) D - 5/64 " (1.98 mm) D	32,36	C, N
R	Single Slotted 6 mm D	16,19,22,50	R, S
T	Single Slotted 4 mm D	10, 13, 22	U
V	Dual Concentric Plain 6 mm D - 3 mm D	30, 42	R

ELEMENT TAPER TYPE/TOLERANCE		RESISTANCE CODE VALUE IN OHMS	
(A)	Linear Cermet ±10 %	(05) - 100	(30) - 15 K
(H)	Linear Cermet ±5 %	(28) - 150	(16) - 20 K
		(06) - 200	(17) - 25 K
		(07) - 250	(18) - 50 K
		(08) - 500	(19) - 75 K
		(09) - 750	(20) - 100 K
		(10) - 1 K	(31) - 150 K
		(29) - 1.5 K	(21) - 200 K
		(11) - 2 K	(22) - 250 K
		(12) - 2.5 K	(23) - 500 K
		(13) - 5 K	(24) - 750 K
		(14) - 7.5 K	(25) - 1 M
		(15) - 10 K	
(B)	Linear C-P ±20 %	(10) - 1 K	(18) - 50 K
(E)	Linear C-P ±10 %	(12) - 2.5 K	(20) - 100 K
		(13) - 5 K	(22) - 250 K
		(15) - 10 K	(23) - 500 K
		(16) - 20 K	(25) - 1 M
		(17) - 25 K	
(C)	CW Audio Cermet ±10 %	(10) - 1 K	(18) - 50 K
(D)	CW Audio C-P ±20 %	(12) - 2.5 K	(20) - 100 K
(F)	CCW Audio Cermet ±10 %	(12) - 2.5 K	(22) - 250 K
(G)	CCW Audio C-P ±20 %	(15) - 10 K	(23) - 500 K
(S)	CW Audio C-P ±10 %	(17) - 25 K	(25) - 1 M
(T)	CCW Audio C-P ±10 %		

SWITCH TYPE (MODELS 85 & 86 ONLY)	
(R50)	DPST N.O./N.C. CW Detent In-Line Term
(R51)	DPST N.O./N.C. CCW Detent In-Line Term
(R52)	DPST N.O./N.O. CW Detent In-Line Term
(R53)	DPST N.O./N.O. CCW Detent In-Line Term
(R56)	DPST N.O./N.C. CW Detent Horz Term
(R57)	DPST N.O./N.C. CCW Detent Horz Term
(R58)	DPST N.O./N.O. CW Detent Horz Term
(R59)	DPST N.O./N.O. CCW Detent Horz Term

RoHS IDENTIFIER	
L	Compliant

MODEL	
81	Single-Turn, PC Pins
82	Single-Turn, J-Hooks
85	Single-Turn, Pot/Rotary Switch, PC Pins
86	Single-Turn, Pot/Rotary Switch, J-Hooks

SHAFT TYPE		AVAILABLE ONLY IN	
		LENGTHS (CODE)	BUSHINGS (CODE)
A	Single Plain 1/4 " (6.35 mm) D	16,20,24,28	A, B, J
B	Single Slotted 1/4 " (6.35 mm) D	16,20,24,28	A, B, J
C	Single Flatted 1/4 " (6.35 mm) D	20,24,28	A, B, J
E	Single Slotted 1/8 " (3.18 mm) D	12,16,20,24,28	C, E, N
F	Single Flatted 1/8 " (3.18 mm) D	24	C, N
G	Dual Concentric Plain 1/4 " (6.35 mm) D - 1/8 " (3.18 mm) D	36,40	A, J
K	Dual Concentric Plain 1/8 " (3.18 mm) D - 5/64 " (1.98 mm) D	32,36	C, N
L	Dual Concentric Plain 1/4 " (6.35 mm) D - 1/8 " (3.18 mm) D	36,40	A, J
M	Dual Concentric Plain 1/8 " (3.18 mm) D - 5/64 " (1.98 mm) D	32,36	C, N
N	Dual Concentric Plain 1/4 " (6.35 mm) D - 1/8 " (3.18 mm) D	36,40	A, J
P	Dual Concentric Plain 1/8 " (3.18 mm) D - 5/64 " (1.98 mm) D	32,36	C, N
R	Single Slotted 6 mm D	16,19,22,50	R, S
T	Single Slotted 4 mm D	10, 13, 22	U
V	Dual Concentric Plain 6 mm D - 3 mm D	30, 42	R

ELEMENT TAPER TYPE/TOLERANCE		RESISTANCE CODE VALUE IN OHMS	
(A)	Linear Cermet ±10 %	(05) - 100	(30) - 15 K
(H)	Linear Cermet ±5 %	(28) - 150	(16) - 20 K
		(06) - 200	(17) - 25 K
		(07) - 250	(18) - 50 K
		(08) - 500	(19) - 75 K
		(09) - 750	(20) - 100 K
		(10) - 1 K	(31) - 150 K
		(29) - 1.5 K	(21) - 200 K
		(11) - 2 K	(22) - 250 K
		(12) - 2.5 K	(23) - 500 K
		(13) - 5 K	(24) - 750 K
		(14) - 7.5 K	(25) - 1 M
		(15) - 10 K	
(B)	Linear C-P ±20 %	(10) - 1 K	(18) - 50 K
(E)	Linear C-P ±10 %	(12) - 2.5 K	(20) - 100 K
		(13) - 5 K	(22) - 250 K
		(15) - 10 K	(23) - 500 K
		(16) - 20 K	(25) - 1 M
		(17) - 25 K	
(C)	CW Audio Cermet ±10 %	(10) - 1 K	(18) - 50 K
(D)	CW Audio C-P ±20 %	(12) - 2.5 K	(20) - 100 K
(F)	CCW Audio Cermet ±10 %	(12) - 2.5 K	(22) - 250 K
(G)	CCW Audio C-P ±20 %	(15) - 10 K	(23) - 500 K
(S)	CW Audio C-P ±10 %	(17) - 25 K	(25) - 1 M
(T)	CCW Audio C-P ±10 %		

MODEL	
81	Single-Turn, PC Pins
82	Single-Turn, J-Hooks
85	Single-Turn, Pot/Rotary Switch, PC Pins
86	Single-Turn, Pot/Rotary Switch, J-Hooks

SHAFT TYPE		AVAILABLE ONLY IN	
		LENGTHS (CODE)	BUSHINGS (CODE)
A	Single Plain 1/4 " (6.35 mm) D	16,20,24,28	A, B, J
B	Single Slotted 1/4 " (6.35 mm) D	16,20,24,28	A, B, J
C	Single Flatted 1/4 " (6.35 mm) D	20,24,28	A, B, J
E	Single Slotted 1/8 " (3.18 mm) D	12,16,20,24,28	C, E, N
F	Single Flatted 1/8 " (3.18 mm) D	24	C, N
G	Dual Concentric Plain 1/4 " (6.35 mm) D - 1/8 " (3.18 mm) D	36,40	A, J
K	Dual Concentric Plain 1/8 " (3.18 mm) D - 5/64 " (1.98 mm) D	32,36	C, N
L	Dual Concentric Plain 1/4 " (6.35 mm) D - 1/8 " (3.18 mm) D	36,40	A, J
M	Dual Concentric Plain 1/8 " (3.18 mm) D - 5/64 " (1.98 mm) D	32,36	C, N
N	Dual Concentric Plain 1/4 " (6.35 mm) D - 1/8 " (3.18 mm) D	36,40	A, J
P	Dual Concentric Plain 1/8 " (3.18 mm) D - 5/64 " (1.98 mm) D	32,36	C, N
R	Single Slotted 6 mm D	16,19,22,50	R, S
T	Single Slotted 4 mm D	10, 13, 22	U
V	Dual Concentric Plain 6 mm D - 3 mm D	30, 42	R

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C	Single Flatted 1/4 " (6.35 mm) D	20,24,28	A, B, J
E	Single Slotted 1/8 " (3.18 mm) D	12,16,20,24,28	C, E, N
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Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

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<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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