

RoHS Compliant Sense

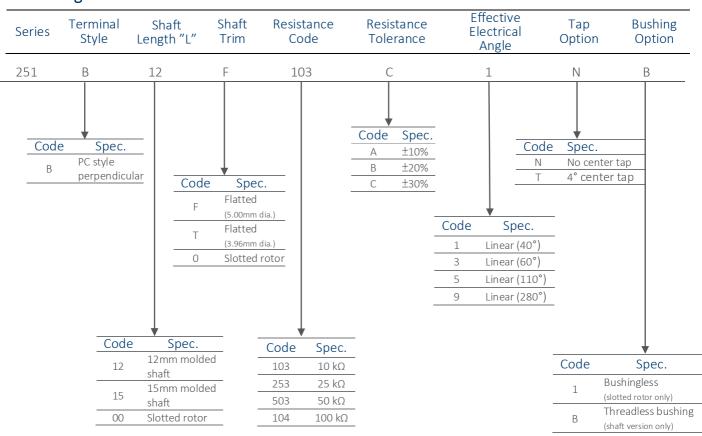
Series 251 9mm Rotary Potentiometer

- Miniature 9mm Size
- Long Rotational Life (up to 1 million cycles)
- Low Rotational Torque
- Molded Shaft or Rotor Available
- Sturdy Insert Molded Terminal
- Low Noise Output
- Economical Solution

Description

Series 251 Rotary Potentiometer provides an economical solution in applications with space constraints by providing a compact, reliable, and long-life potentiometer. The variety of standard effective electrical angle options along with shaftless or shaft options provide flexibility to meet design requirements.

Ordering Information



2021-02-04 Rev. B Www.ctscorp.com Page 1 of 3

Electrical Specifications

Parameter	Conditions & Remarks	Min	Max	Unit
Resistance Range	Linear	10k	200k	Ω
Resistance Tolerance	Standard	-30	+30	%
	Special	-20	+20	%
	Special	-10	+10	%
Power Rating	@ 50°C		0.01	watt
Dielectric Strength	1 minute		250	VAC
Insulation Resistance	250 VDC	100		MΩ
Maximum Operating Voltage			50	VAC
			5	VDC
Effective Electrical Angle	See ordering information	40	280	0

Mechanical and Environmental

Parameter	Conditions & Remarks	Min	Max	Unit		
Operating Temperature Rang	е	-10	+70	°C		
Rotational Torque		3	30	gf-cm		
Mechanical Angle			300	٥		
Rotational Life	280° EEA	250,000		cycles		
	40°, 60° & 110° EEA	1,000,000		cycles		
Stop Strength:	3 kgf-cm minimum					
Pull-Push Strength of Shaft:	5 kgs for 10 seconds					
Soldering Condition:	Maximum temperature of 260° for 5 seconds					
Mounting Information:	Bushing mount on panel					
	Snap-in mount on PCB					
Packaging:	Standard cardboard box packaging					

All testing is performed at room ambient conditions except as noted. Users should verify device actual performance in their specific applications.

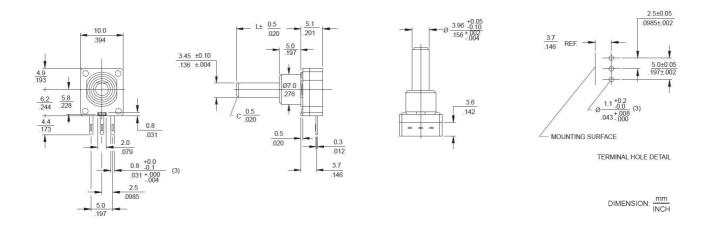
This product is compliant to RoHS3 Directive 2011/65/EU& 2015/863 Amendments of Annex II on 31 March 2015, and REACH SVHC Directive EC 1907/2006

Amendments of Annex XIV & Annex XVII on 15 January 2018.

 $Custom\ and\ value-added\ options\ available\ on\ request.\ Please\ contact\ your\ sales\ representative\ for\ additional\ information.$

Mechanical Specifications

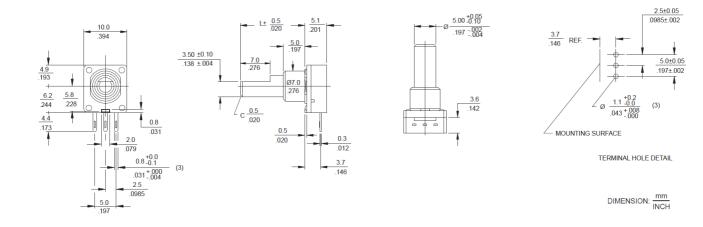
Series 251 Bushing Mount, "T" Shaft Trim



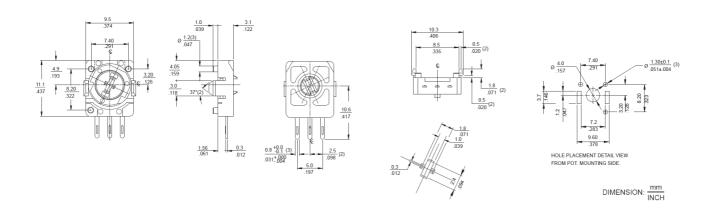
2021-02-04 Rev. B www.ctscorp.com Page 2 of 3

Mechanical Specifications

Series 251 Bushing Mount, "F" Shaft Trim



Series 251 Snap-in Mount, Slotted Rotor



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

CTS:

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