

RoHS Compliant Sense

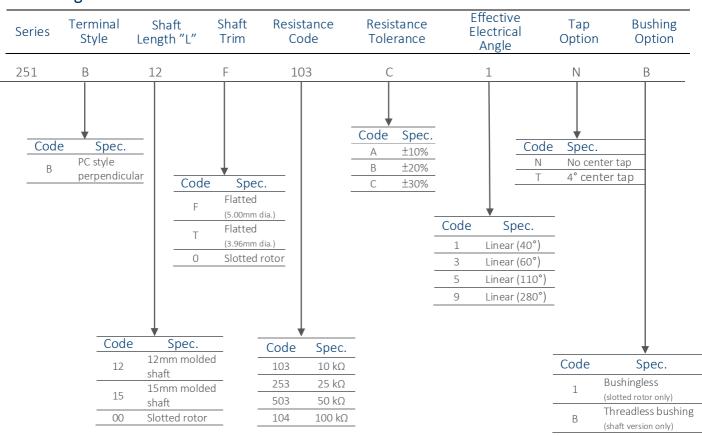
Series 251 9mm Rotary Potentiometer

- 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.

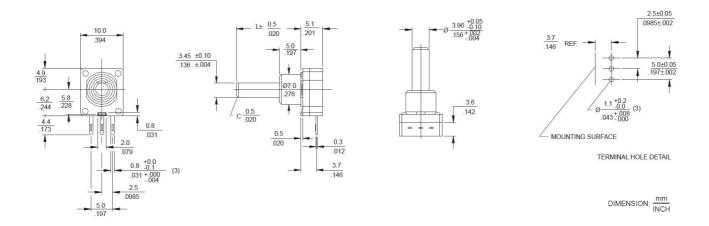
This product is compliant to RoHS3 Directive 2011/65/EU& 2015/863 Amendments of Annex II on 31 March 2015, and REACH SVHC Directive EC 1907/2006

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

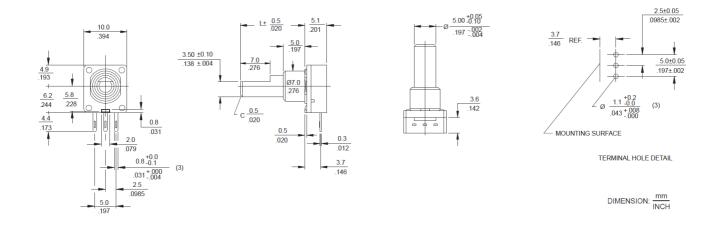
Series 251 Bushing Mount, "T" Shaft Trim



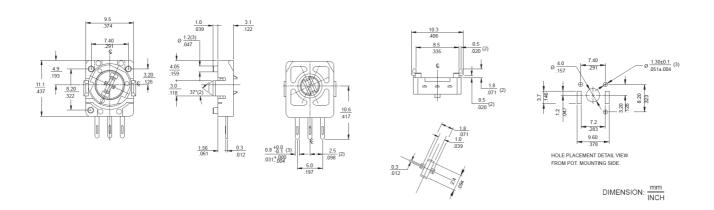
2021-02-04 Rev. B www.ctscorp.com Page 2 of 3

Mechanical Specifications

Series 251 Bushing Mount, "F" Shaft Trim



Series 251 Snap-in Mount, Slotted Rotor



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Potentiometers category:

Click to view products by CTS manufacturer:

Other Similar products are found below:

58C2-2 590SX1N32F103SS 591SXJ48S252SC 591SXP56S252SC 591SXP56S503SC D31409 70B1G048K502X-A 70B1M032S502W 70B1N056S202W 70B8N056F502W 70J8N048S104U 70L1N040P103W 70L1N048P103X 70L1N048S103W GA2L040S102UC GA2L040S103UC GS1G044P103UA GS1N048P103UA GS1T032S103UA A43-1500 A43-20K A47-200K A4720K RA20LASD251A 132-2-0-202 132-0-0-202 RK14K1220-F25-C0-A103 RK14K1220F25C0C104 RK14K1220-F25-C1-B103 14910FAGJSX10102KA 14910FBGLFY00103KA 14910AABHSX10103KA 14910FAGJSX10104KA 152-01031 C0342008 5K P270-109A J97589 23M728 248BBHS0XB25104MA RV170F-10-15R1-B500K-0021 RV8NAYSB104A 917523A A43-40 A43-750 A43S-5 A47-15K A4750K SPPG048S103U SPPG056P103U SWE-10