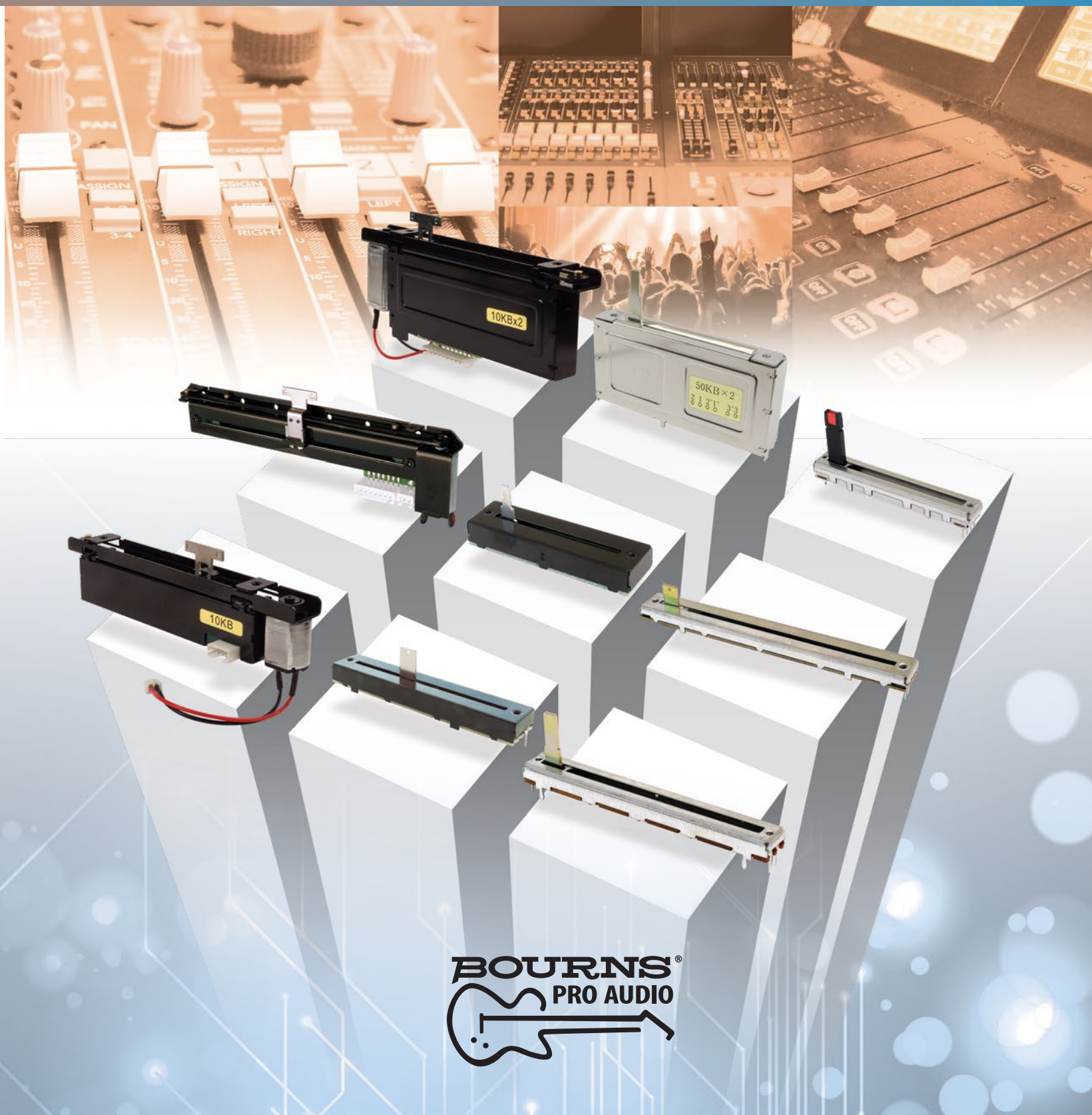


# Bourns® Slide Potentiometers

Short Form Brochure



# Introduction

Bourns Sensors and Controls is committed to providing customers with an expanding array of high quality slide potentiometers suitable for use in a variety of professional audio and lighting console applications. The portfolio continues to expand with the addition of our latest motorized slide potentiometer models, providing our customers with quality, reliability and value.


Features include travel lengths ranging from 15 mm to 100 mm with standard options such as dual gang element, manual or motorized, center detent, multicolored LEDs, various lever styles, and many other features. Our expanding portfolio allows us to offer standard operational life or long life options. As with our other Sensors and Controls products, several of our base models can be modified to fit the customer's specific application.


## Pro Audio and Lighting Applications


- *Audio mixers*
- *Broadcast consoles*
- *Digital drums*
- *Electronic keyboards*
- *Home sound systems*
- *Light mixing consoles*
- *Light controllers*
- *Mobile DJ systems*
- *Portable stereos*
- *Video editing stations*





# Bourns® Slide Potentiometers

PSL	Rotational Life	Element	Switch Option	Multi-section (Max.)	Detent Option	Operating Temp. Range	Power Rating	Features
	500K Cycles	Carbon	No	2	No	-10 to +70 °C	0.25 to 0.5 watts	<ul style="list-style-type: none"> <li>• Long life carbon element</li> <li>• Low profile body</li> <li>• Assortment of resistance tapers</li> <li>• 5 VDC motor</li> <li>• 60 mm &amp; 100 mm travel lengths</li> <li>• Touch sense lever</li> <li>• Snap-in connector</li> <li>• RoHS compliant*</li> </ul>

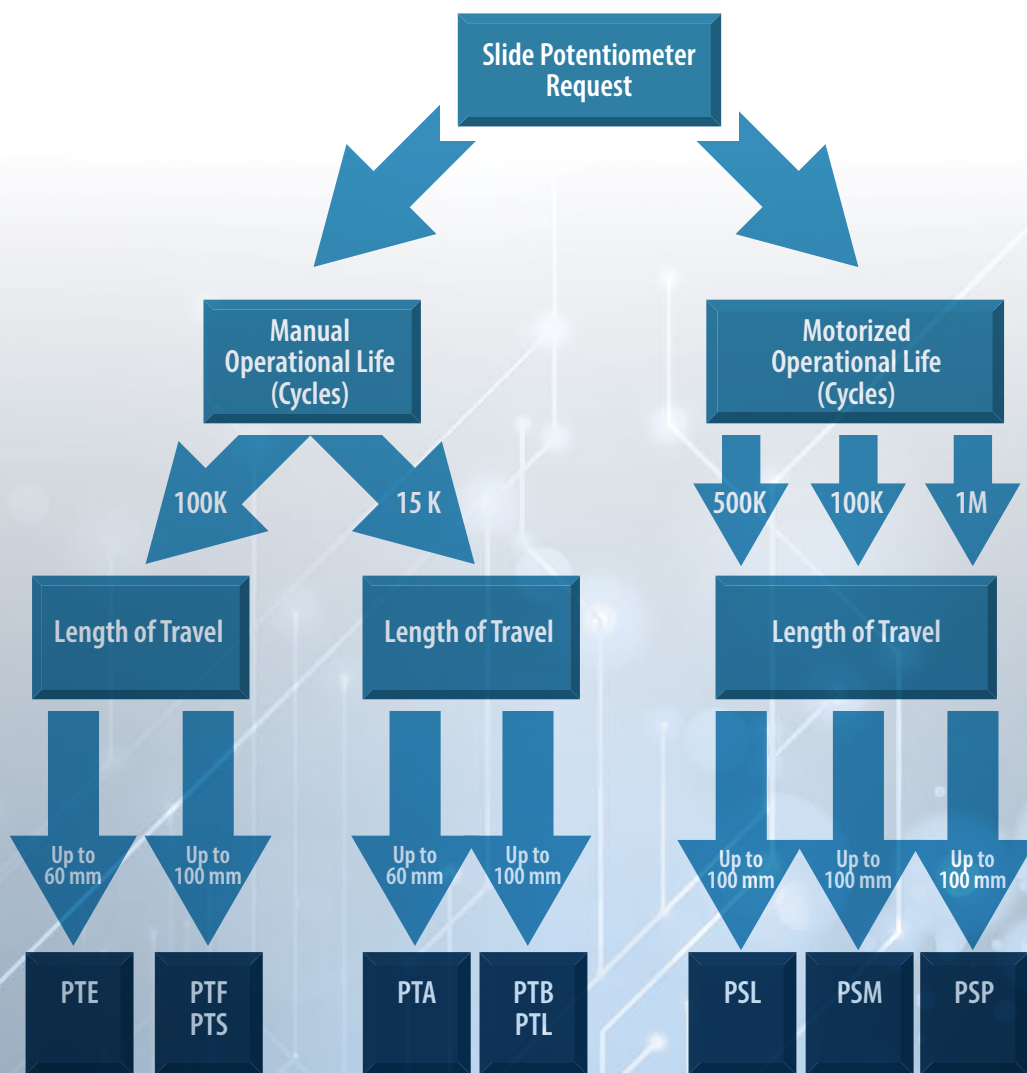
PSM	Rotational Life	Element	Switch Option	Multi-section (Max.)	Detent Option	Operating Temp. Range	Power Rating	Features
	100K Cycles	Carbon	No	2	No	-10 to +55 °C	0.25 to 0.5 watts	<ul style="list-style-type: none"> <li>• Long life carbon element</li> <li>• Assortment of resistance tapers</li> <li>• 10 VDC motor</li> <li>• 60 mm &amp; 100 mm travel lengths</li> <li>• Touch sense lever</li> <li>• PC terminals or snap-in connector option</li> <li>• RoHS compliant*</li> </ul>

PSP	Rotational Life	Element	Switch Option	Multi-section (Max.)	Detent Option	Operating Temp. Range	Power Rating	Features
	1M Cycles	Carbon	No	2	No	-10 to +70 °C	0.25 to 0.5 watts	<ul style="list-style-type: none"> <li>• Long life carbon element</li> <li>• Assortment of resistance tapers</li> <li>• 10 VDC motor</li> <li>• 60 mm &amp; 100 mm travel lengths</li> <li>• Touch sense lever</li> <li>• Snap-in connector</li> <li>• RoHS compliant*</li> </ul>


PTA	Rotational Life	Element	Switch Option	Multi-section (Max.)	Detent Option	Operating Temp. Range	Power Rating	Features
	15K Cycles	Carbon	No	2	Yes	-10 to +50 °C	0.015 to 0.25 watts	<ul style="list-style-type: none"> <li>• Metal housing</li> <li>• Single and dual gang elements</li> <li>• 15 mm to 60 mm travel lengths</li> <li>• Dust cover option</li> <li>• Center detent</li> <li>• RoHS compliant*</li> </ul>


PTB	Rotational Life	Element	Switch Option	Multi-section (Max.)	Detent Option	Operating Temp. Range	Power Rating	Features
	15K Cycles	Carbon	No	2	No	-10 to +60 °C	0.015 to 0.5 watts	<ul style="list-style-type: none"> <li>• Metal housing</li> <li>• 45, 60 and 100 mm travel lengths</li> <li>• Dust cover option</li> <li>• Single and dual gang elements</li> <li>• RoHS compliant*</li> </ul>

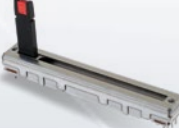
# Bourns® Slide Potentiometer Selection Guide




# Bourns® Slide Potentiometers

PTE	Rotational Life	Element	Switch Option	Multi-section (Max.)	Detent Option	Operating Temp. Range	Power Rating	Features
	100K Cycles	Carbon	No	2	No	-10 to +55 °C	0.1 to 0.2 watts	<ul style="list-style-type: none"> <li>• Assortment of resistance tapers</li> <li>• 45 and 60 mm travel lengths</li> <li>• Single and dual gang elements</li> <li>• Long operational life</li> <li>• Tracking error within <math>\pm 2</math> dB</li> <li>• RoHS compliant*</li> </ul>

PTF	Rotational Life	Element	Switch Option	Multi-section (Max.)	Detent Option	Operating Temp. Range	Power Rating	Features
	100K Cycles	Carbon	No	2	No	-10 to +55 °C	0.125 to 0.5 watts	<ul style="list-style-type: none"> <li>• Assortment of resistance tapers</li> <li>• 45, 60 and 100 mm travel lengths</li> <li>• Single and dual gang elements</li> <li>• Long operational life</li> <li>• Tracking error within <math>\pm 2</math> dB</li> <li>• RoHS compliant*</li> </ul>

PTL	Rotational Life	Element	Switch Option	Multi-section (Max.)	Detent Option	Operating Temp. Range	Power Rating	Features
	15K Cycles	Carbon	No	N/A	Yes	-10 to +55 °C	0.025 to 0.2 watts	<ul style="list-style-type: none"> <li>• Assortment of LED colors</li> <li>• 20 to 100 mm travel lengths</li> <li>• Center detent option</li> <li>• Assortment of resistance tapers</li> <li>• Various lever sizes</li> <li>• RoHS compliant*</li> </ul>

PTS	Rotational Life	Element	Switch Option	Multi-section (Max.)	Detent Option	Operating Temp. Range	Power Rating	Features
	100K Cycles	Carbon	No	2	No	-10 to +55 °C	0.25 to 0.5 watts	<ul style="list-style-type: none"> <li>• High grade, long life</li> <li>• Single and dual gang</li> <li>• Assortment of resistance tapers</li> <li>• Tracking error within <math>\pm 3</math> dB</li> <li>• 45, 60 and 100 mm sizes</li> <li>• RoHS compliant*</li> </ul>

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## [www.bourns.com/proaudio](http://www.bourns.com/proaudio)

Bourns® products are available through an extensive network of manufacturer's representatives, agents and distributors. To obtain technical applications assistance, a quotation, or to place an order, contact a Bourns representative in your area.

Specifications subject to change without notice. Actual performance in specific customer applications may differ due to the influence of other variables. Customers should verify actual device performance in their specific applications.



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