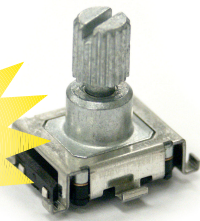


# PIHER



# CS11LM 11mm Incremental Encoder

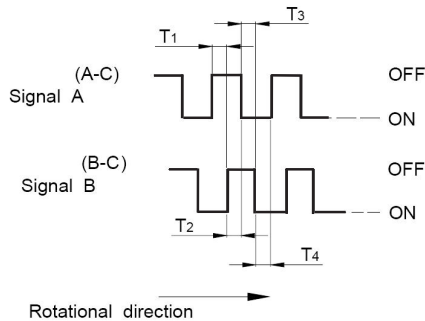
## FEATURES

- 1.5mm Rubber Push-on switch.
- Automotive spec.
- 2 bit in quadrature code.
- Contact type.
- No switch version available
- Compact design.
- SMD mount.
- Endless rotation.
- 15 pulses / 30 detents.
- optional 0.5mm Push-on switch

## STANDARD SPECIFICATIONS

Operating Temperature: -40°C to +85°C  
 Life (endless rotation): 15.000 cycles  
 Life (switch): 20.000 operations  
 Detent torque: 50 gf.cm MAX  
 Push on switch: 1.5 mm. travel (rubber)  
 Contact Resistance: 100 mΩ Initial (max)  
 Pulses / Detents: 15/30

## GRAPH CODE



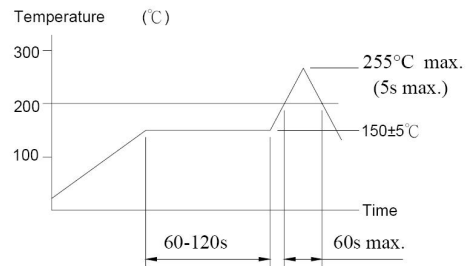
## TYPICAL APPLICATIONS

The CS11LM has been designed specifically for Automotive applications.

The positive action 1.5mm throw push switch has been designed to assure that driver has no need to make an additional visual check after making his/her selection. This means REDUCED DRIVER DISTRACTION.

The CS11LM can be used in all passenger compartment applications typically Infotainment, Navigation and Heating, Ventilation and Air Conditioning.

## TEMPERATURE PROFILE



## HOW TO ORDER

<b>CS11LM</b>	<b>SE</b>	<b>5</b>	<b>NB</b>	<b>F</b>	<b>- SMT</b>	<b>- 13.5K</b>	<b>- 15-30C</b>	<b>- 6H</b>
Switch		Bushing Length		Shaft Length		Shaft Type		Pulse/Detents
SE = With Switch (Switch Travel: 1.5mm) SD = With Switch (Switch Travel: 0.5mm) Blank = Without Switch		Blank = 7mm 5 = 5mm		9.5mm 13.5mm 9.5mm X 20mm X		K = w/ switch K = w/o Switch F = w/switch		15 - 30C* *Blank = no detents

## DIMENSIONS (CS11LMSE5NBF-SMT-13.5K-6H)

