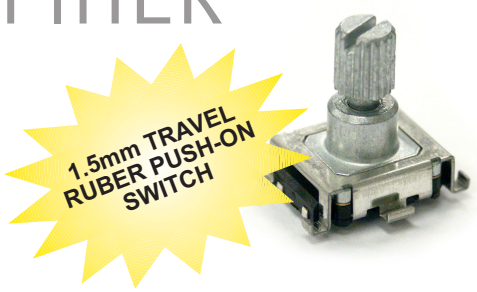
PIHER



CS11LM 11mm Incremental Encoder

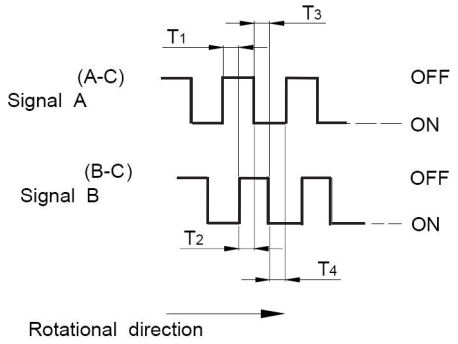
FEATURES

- **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:	-40ºC to +85ºC
Life (endless rotation):	15.000 cycles
Life (switch):	20.000 operations
Detent torque:	50 gf.cm MAX
Push on switch travel	1.5mm (rubber);0.5mm no switch version available
Contact Resistance:	100 mΩ Initial (max)
Pulses / Detents:	15/30

GRAPH CODE



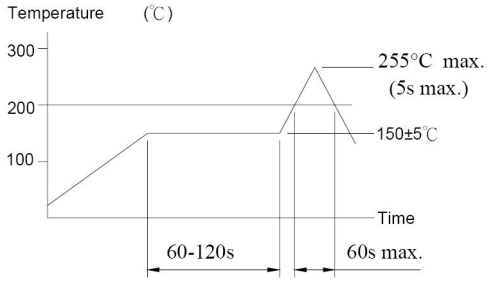
TYPICAL APPLICATIONS

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



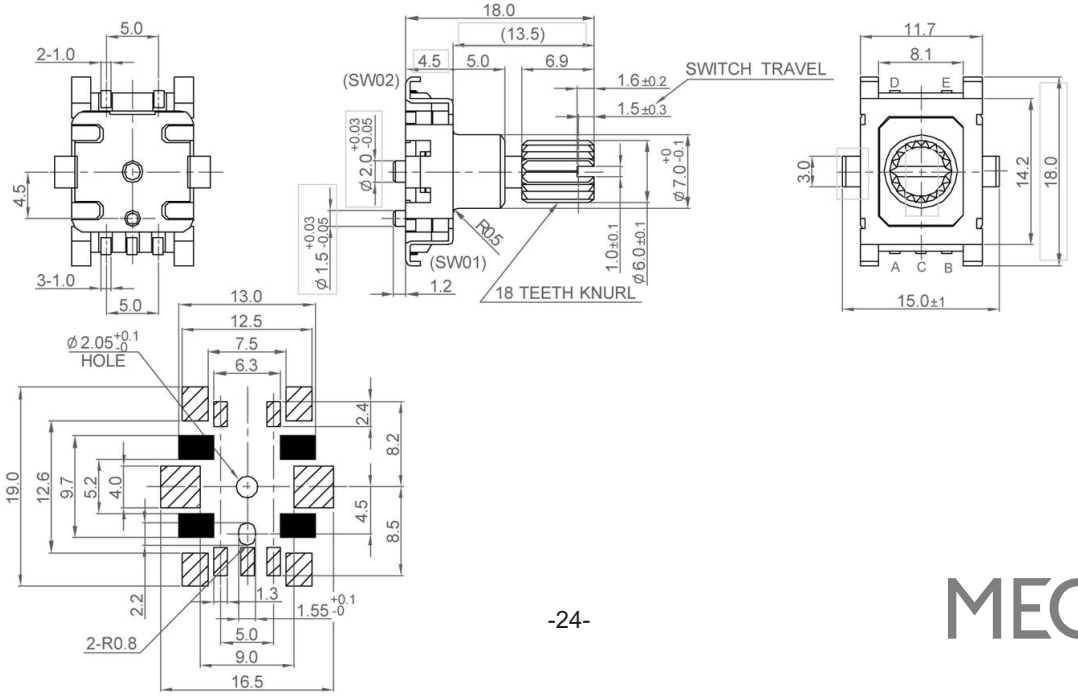
HOW TO ORDER

CS11LM - SE - 5 - NB - F - SMT - 13.5K - 15-30C - 6H

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	K = w/ switch	15 - 30C* *Blank = no detents
		9.5mm	X	K = w/o Switch	
		20mm	X	F = w/switch	

(Rubber switch only applies to 1.5mm version)

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



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