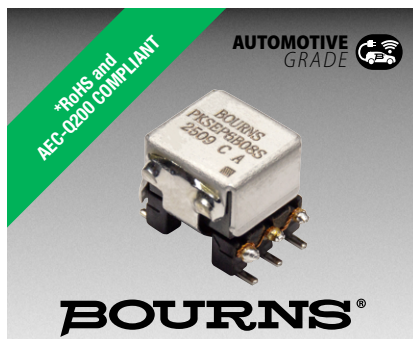




Features

- Ferrite core
- EP 6 SMD type
- Shielding for optimized EMC-behavior
- 5 U-shape terminals
- Operating temperature: -40 °C to +90 °C
- AEC-Q200 compliant & automotive grade
- RoHS compliant*

Applications

- Ultrasonic sensor
- Ultrasonic park assist
- Industrial distance measuring
- Robotics

PKSEP6B08S SMD Transformer for Ultrasonic Sensors

General Specifications

Operating Temperature..... -40 °C to +90 °C
(Temperature Rise Included)
Storage Temperature..... -40 °C to +85 °C
Moisture Sensitivity Level..... 1

Additional Information

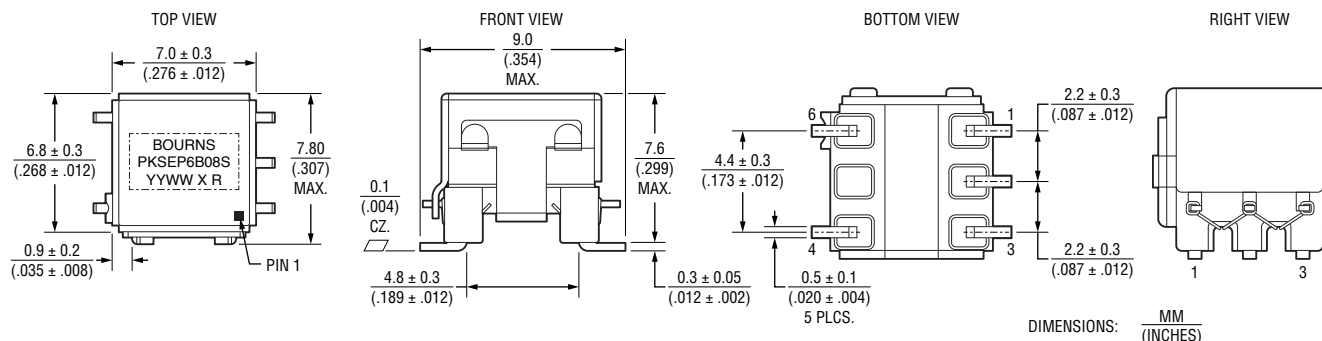
Click these links for more information:



Electrical Specifications @ 25 °C

Bourns Part Number	Inductance @ 51.2 k / 1 V		Turns Ratio		DCR max.		Hi-Pot 1 sec / 3 mA
PKSEP6B08S	(6-4)	3.18 mH ±8 %	(6-4) : (1-2) (6-4) : (2-3)	7.9 : 1 ±2 %	(1-2)	1.8 Ω	N1 to N2 N1 to core 575 V
					(2-3)	1.8 Ω	
					(6-4)	37.5 Ω	

Product Dimensions



Materials

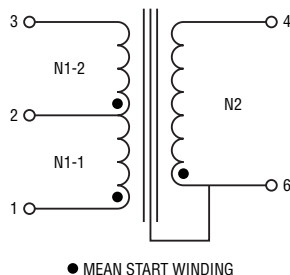
Bobbin Phenolic
Wire Copper
Core Ferrite
Glue Epoxy

How to Order

PKS EP6 B 08 S

Model _____
PKS = Parking Sensor
Core Size _____
EP6 = EP 6
Sub-Series _____
Turns Ratio Ns/Np _____
08 = Turns Ratio
Ns/Np 1:1:8.42
PCB Type _____
S = SMD

Electrical Schematic



WARNING Cancer and Reproductive Harm

www.P65Warnings.ca.gov

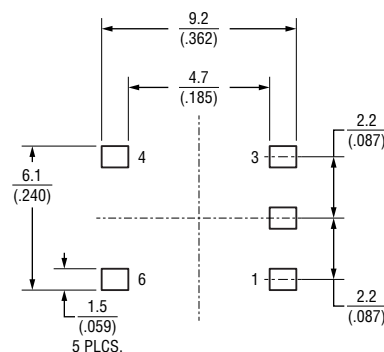
*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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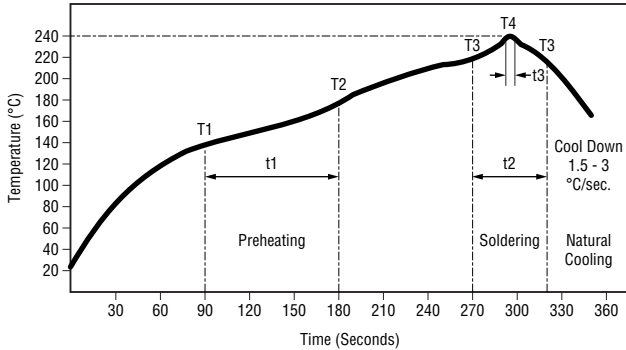
Recommended Layout



PKSEP6B08S SMD Transformer for Ultrasonic Sensors

BOURNS®

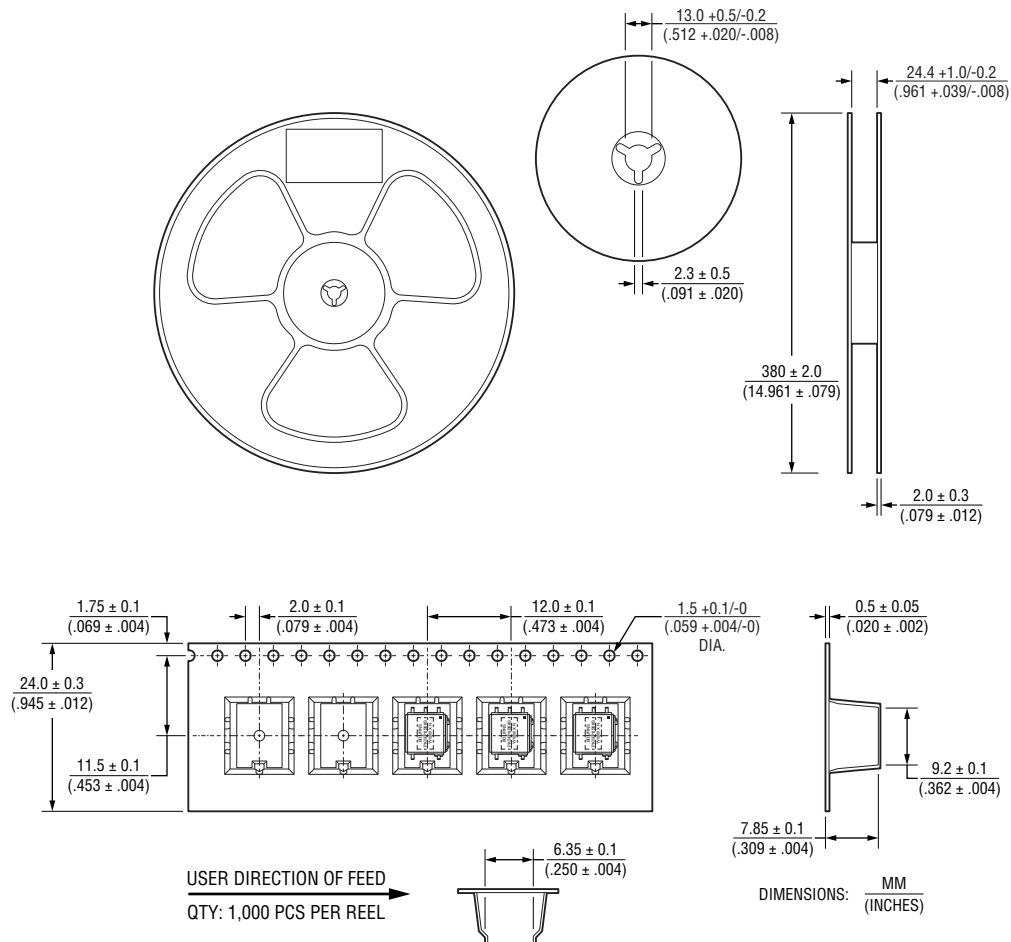
Lead-Free Soldering Profile



Preheating			Soldering		Peak	
Temp.		Time	Temp.	Time	Temp.	Time
T1	T2	t1	T3	t2	T4	t3
150 °C	200 °C	60-120 sec.	217 °C	60-120 sec.	240-250 °C	5 sec.

Packaging Specifications

1000 pcs. per reel, 5 reels per carton



REV. 05/25

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