

Features

- Magnetically shielded
- High temperature ferrite core
- Helical flat winding
- Low DCR
- High saturation current
- Stable operating temperature: -40 °C to +125 °C
- RoHS compliant*

Applications

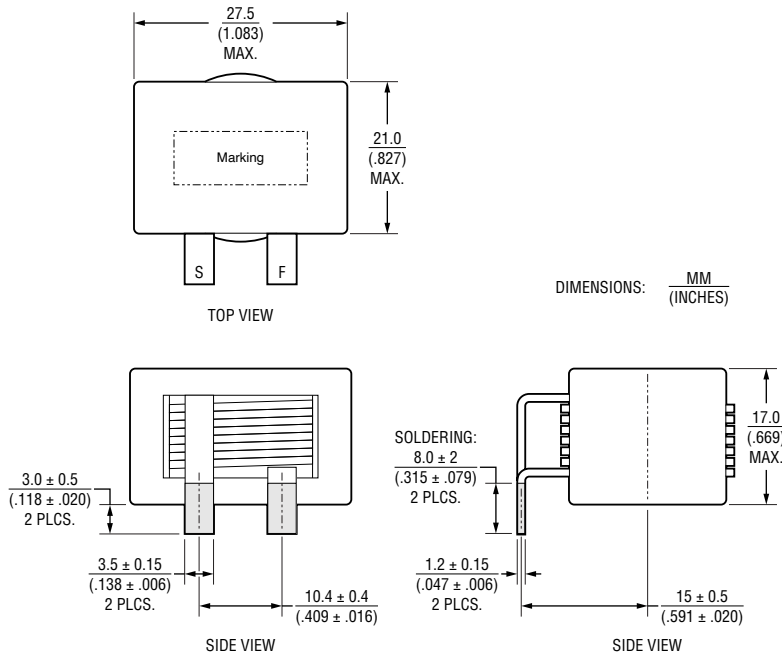
- Industrial power converters
- Telecommunication equipment
- Renewable energy systems
- DC-DC converters

ER26A Series Inductors

Electrical Specifications

Bourns Part No.	Inductance @ 200k / 0.1 V		DCR (mΩ)		I _{rms} (A) Typ.	Isat (A) Typ.	
	L (μH)	Tol. %	Typ.	Max.		1	2
ER26A1DC-4R7K	4.7	±10	1.86	2.0	32.0	87.0	93.0
ER26A2DC-6R8K	6.8					59.0	62.0
ER26A3DC-100K	10.0					37.5	41.0
ER26A4DC-150K	15.0					22.0	26.0
ER26A5DC-220K	22.0					14.0	16.4

Product Dimensions



Additional Information

Click these links for more information:



General Specifications

Dielectric Withstand Voltage
 Terminal to Core ..300 VDC, 5 mA max.

Rated Current
 Inductance drops 20 % at Isat1,
 30 % at Isat2

Operating Temperature
 -40 °C to +125 °C
 (Temperature rise included)

Storage Temperature -25 °C to +85 °C

Temperature Rise
 40 °C at rated I_{rms}¹

Moisture Sensitivity Level 1

ESD Classification (HBM) N/A

¹Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

Materials

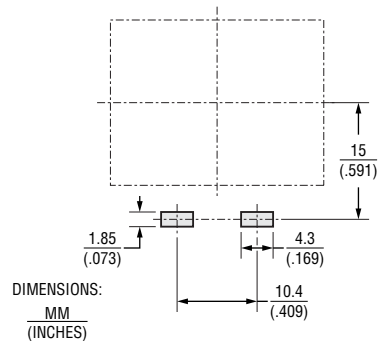
Core Material Ferrite

Wire Enameled copper

Terminal Sn

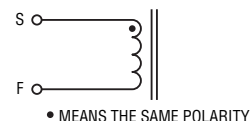
Glue Epoxy

Recommended Layout



Additional fixation to the PCB required to fulfill the requirements of reliability test.

Electrical Schematic



CALIFORNIA WARNING: Can expose you to lead, a carcinogen and reproductive toxicant. See 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. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

ER26A Series Inductors



Packaging Specifications

Tray 30 pcs. per box
180 pcs. per carton

How To Order

ER 26A 1 D C - 4R7 K

Core Style _____
ER Type _____

Size Code _____
26A _____

Series _____

Base Style _____
B = SMD Base
C = THT Base
D = Without Base
F = Other

Reliability Level _____
C = Consumer Grade

Inductance Value _____
4R7 = 4.7 μ H
6R8 = 6.8 μ H
100K = 10.0 μ H
150K = 15.0 μ H
220K = 22.0 μ H

Tolerance Range _____
K = \pm 10 %



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