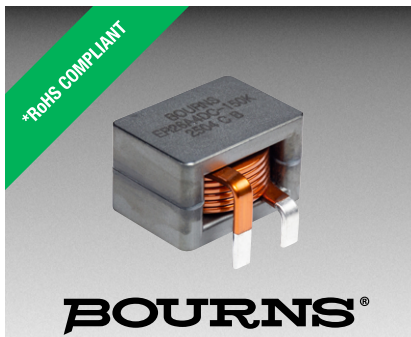




Features

- 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

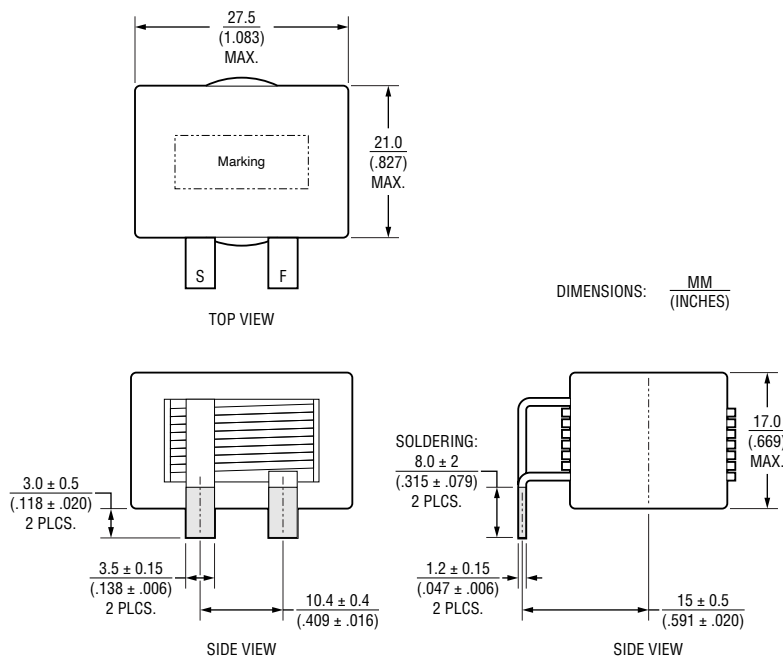
- Industrial power converters
- Telecommunication equipment
- Renewable energy systems
- DC-DC converters

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

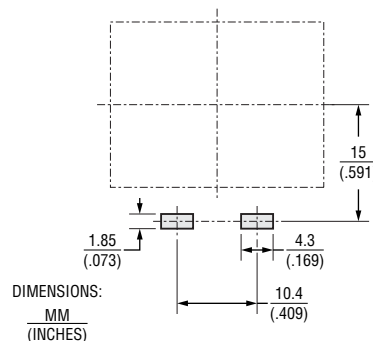
Moisture Sensitivity Level..... 1
ESD Classification (HBM)..... N/A

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

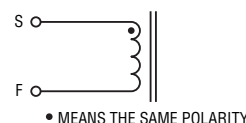
Core Material Ferrite
Wire Enameled copper
Terminal Sn
Glue Epoxy

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.

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ER26A Series Inductors

BOURNS®

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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