



Applications	 Automotive Grade
Feature	 No Directivity
	 Wire Wound
	 Ferrite Core
	 AEC-Q200
Series Type	B82442T
Status	 Production
Brand	EPCOS



Size	
Length(L)	5.60mm +0.30mm
Width(W)	5.00mm ±0.30mm
Thickness Height	5.00mm +0.30mm
Recommended Land Pattern (A)	4.50mm Nom.
Recommended Land Pattern (B)	2.00mm Nom.
Recommended Land Pattern (C)	3.60mm Nom.

Electrical Characteristics	
Inductance	1μH ±10% at 7.96MHz
Rated Current (L Change) [Typ.]	9A
Rated Current (L Change) [Min.]	7.33A
Rated Current (Temperature Rise) [Typ.]	3.51A (65°C Rise)
Rated Current (Temperature Rise) [Min.]	
DC Resistance [Typ.]	
DC Resistance [Max.]	25mΩ
Self Resonant Frequency [Min.]	111MHz
Self Resonant Frequency [Typ.]	
Q [Min.]	15
Q [Typ.]	

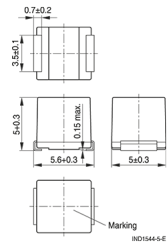
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-55 to 150°C
Soldering Method	Reflow
AEC-Q200	Yes
Packing	Embossed (Plastic)Taping [330mm Reel, Tape width 12mm]
Package Quantity	1500pcs
Weight	Approx. 0.4g

! Images are for reference only and show exemplary products.
! This PDF document was created based on the data listed on the TDK Corporation website.
! All specifications are subject to change without notice.

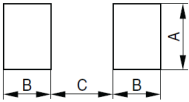


Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



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