

B82453C0300A000



Applications	Automotive Grade
Feature	3D Coil AEC-Q200
Type	B82453C*A
Status	Production
Brand	EPCOS



Size	
Length(L)	12.50mm ±0.20mm
Width(W)	11.50mm ±0.20mm
Thickness Height	3.60mm Max.

Electrical Characteristics	
Inductance_X	4.75mH ±3% at 125kHz
Inductance_Y	4.75mH ±3% at 125kHz
Inductance_Z	5.85mH ±3% at 125kHz
Working Frequency	125kHz
Q_X (Typ.)	23.5 at 125kHz
Q_Y (Typ.)	23.5 at 125kHz
Q_Z (Typ.)	19 at 125kHz
Sensitivity_X (Typ.)	60mV/μT at 125kHz
Sensitivity_Y (Typ.)	57mV/μT at 125kHz
Sensitivity_Z (Typ.)	45mV/μT at 125kHz
Resonance Frequency_X (Min.)	600kHz
Resonance Frequency_Y (Min.)	600kHz
Resonance Frequency_Z (Min.)	400kHz
DC Resistance_X (Max.)	80Ω
DC Resistance_Y (Max.)	80Ω
DC Resistance_Z (Max.)	165Ω

Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 85°C
Soldering Method	Reflow
AEC-Q200	Yes
Packing	Embossed (Plastic)Taping [330mm Reel, Tape width 24mm]
Package Quantity	900pcs
Weight	1.7g

! 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

