

## RLF7045T-6R8N2R3-D

## EOL Announced

Recommended Alternate Part No. : [CLF6045NIT-6R8N-D](#) (Interchangeability is not guaranteed.)

## Product Status

Discontinue Issue Date : May.14, 2024

Last Purchase Order Date : Mar.31, 2026

Last Shipment Date : Dec.31, 2026

## Applications

Automotive Grade

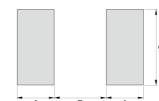
[AEC-Q200](#) AEC-Q200

## Feature

Wire Wound Wire Wound

Shield Magnetic Shield

Ferrite Core Ferrite Core



Dimensions in mm

## Series | Type

RLF-D

## Brand

TDK

## Environmental Compliance



## Size

Length(L)	7.30mm $\pm 0.30$ mm
Width(W)	6.80mm $\pm 0.20$ mm
Thickness   Height	4.60mm $\pm 0.20$ mm
Recommended Land Pattern (A)	2.00mm Nom.
Recommended Land Pattern (B)	3.90mm Nom.
Recommended Land Pattern (C)	2.20mm Nom.

## Electrical Characteristics

Inductance	6.8 $\mu$ H $\pm 30\%$ at 100kHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	2.7A (30% Down)
Rated Current (Temperature Rise) [Typ.]	2.3A (20°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	36m $\Omega$
DC Resistance [Max.]	43.2m $\Omega$
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

! 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.

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## Other

Operating Temp. Range	-40 to 150°C (Including Self-Temp. Rise)
Soldering Method	Reflow Iron Soldering
AEC-Q200	YES
Packing	Embossed (Plastic)Taping [330mm Reel]
Package Quantity	1000pcs
Weight	0.8g

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## Characteristic Graphs (This is reference data, and does not guarantee the products characteristics.)

