

## VLS3010ET-6R8M

## Production (NRND)

**Product Status** Recommended Alternate Part No. : [VLS3012CX-6R8M-1](#) (Interchangeability is not guaranteed.)

**Applications** Commercial Grade

Wire Wound Wire Wound

**Feature** Shield Magnetic Shield  
Ferrite Core Ferrite Core

**Series | Type** VLS-E

**Brand** TDK

**Environmental Compliance**  RoHS  REACH  Halogen Free  Lead Free



## Size

Length(L)	3.00mm $\pm 0.10$ mm
Width(W)	3.00mm $\pm 0.10$ mm
Thickness   Height	1.00mm Max.
Recommended Land Pattern (A)	1.00mm Nom.
Recommended Land Pattern (B)	1.00mm Nom.
Recommended Land Pattern (C)	3.00mm Nom.

## Electrical Characteristics

Inductance	6.8 $\mu$ H $\pm 20\%$ at 1MHz
Rated Current (L Change) [Typ.]	770mA (30% Down)
Rated Current (L Change) [Max.]	690mA (30% Down)
Rated Current (Temperature Rise) [Typ.]	1A (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	260m $\Omega$
DC Resistance [Max.]	312m $\Omega$
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

## Other

Operating Temp. Range	-40 to 105°C (Including Self-Temp. Rise)
Soldering Method	Reflow
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [180mm Reel]

! 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.

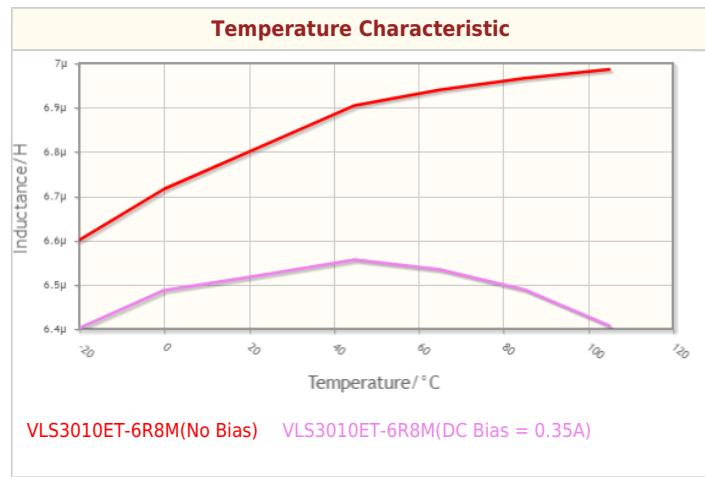
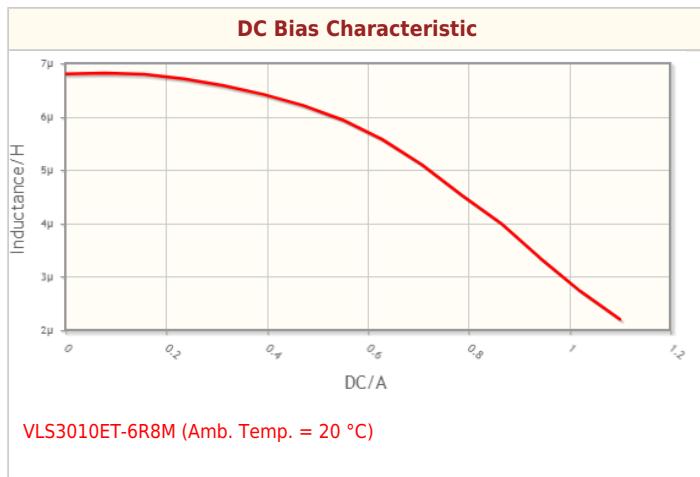
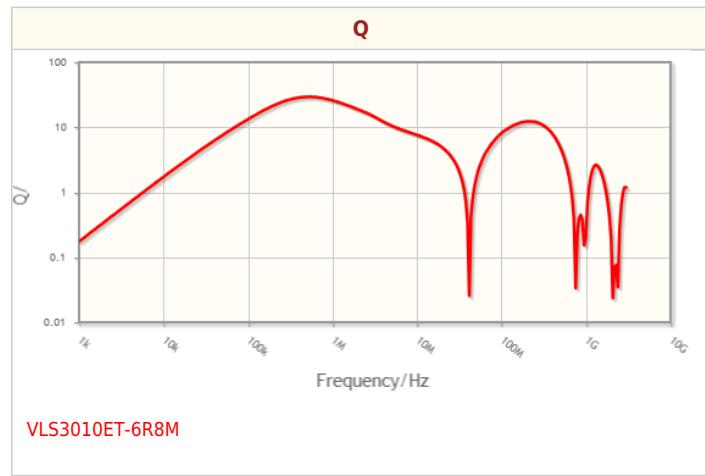
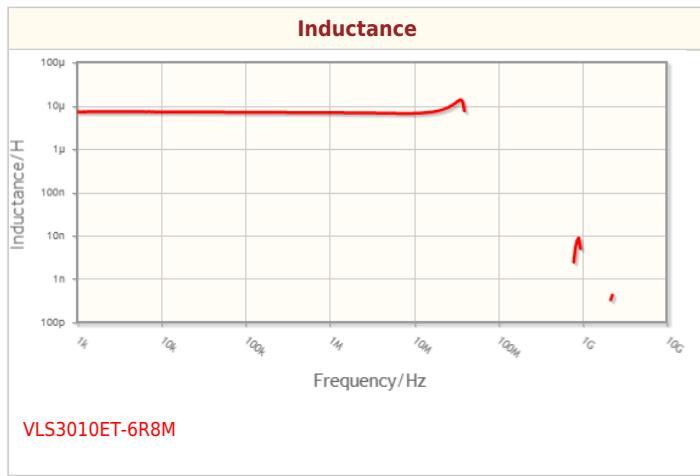
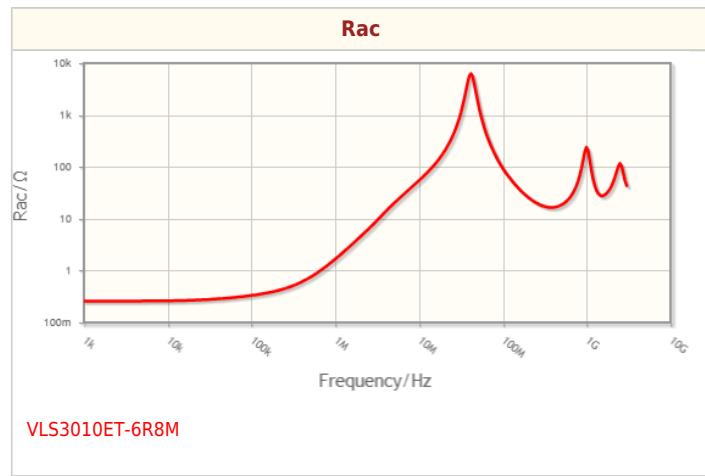
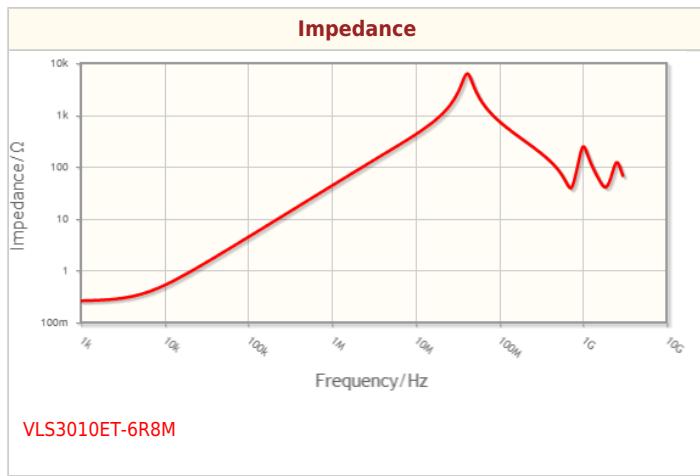
## VLS3010ET-6R8M

Package Quantity	2000pcs
Weight	0.036g

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## VLS3010ET-6R8M

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



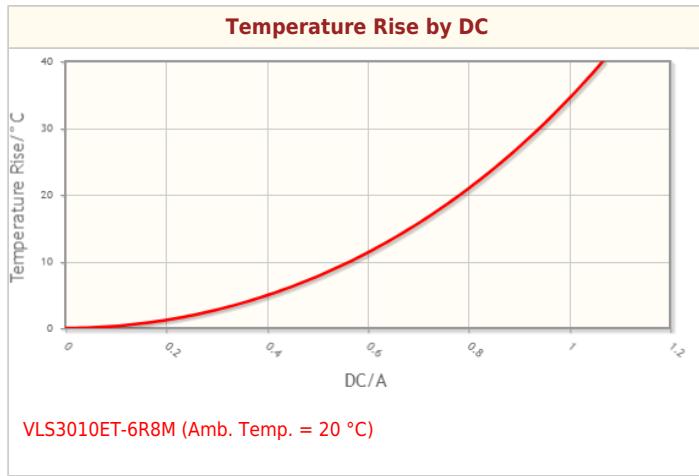
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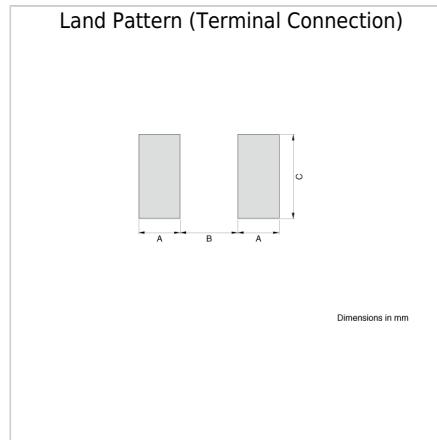
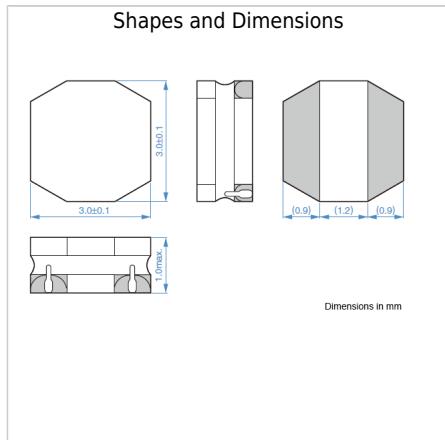
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## Associated Images



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