

VLS3010ET-1R0N



Applications



Commercial Grade

Wire Wound

Magnetic Shield

Ferrite Core

Feature



Production (Not Recommended for New Design)

Status

Recommended Alternate Part No. : [VLS3010CX-1R0M-1](#) (Interchangeability is not guaranteed.)

Brand

TDK



Size

Length(L)	3.00mm ±0.10mm
Width(W)	3.00mm ±0.10mm
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	1μH ±30% at 1MHz
Rated Current (L Change) [Typ.]	1.8A (30% Down)
Rated Current (L Change) [Max.]	1.6A (30% Down)
Rated Current (Temperature Rise) [Typ.]	2.1A (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	60mΩ
DC Resistance [Max.]	72mΩ
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.

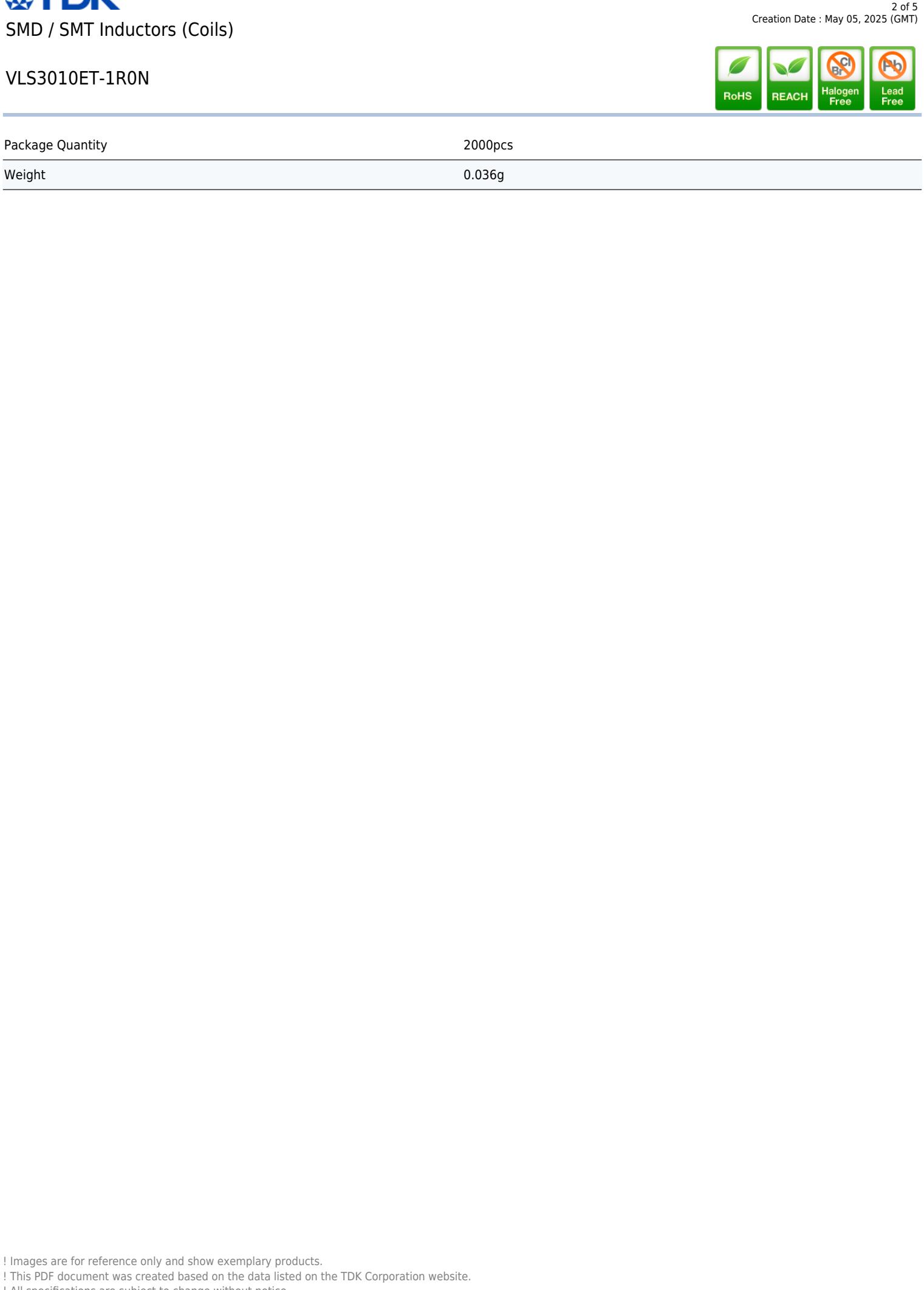
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Package Quantity	2000pcs
Weight	0.036g

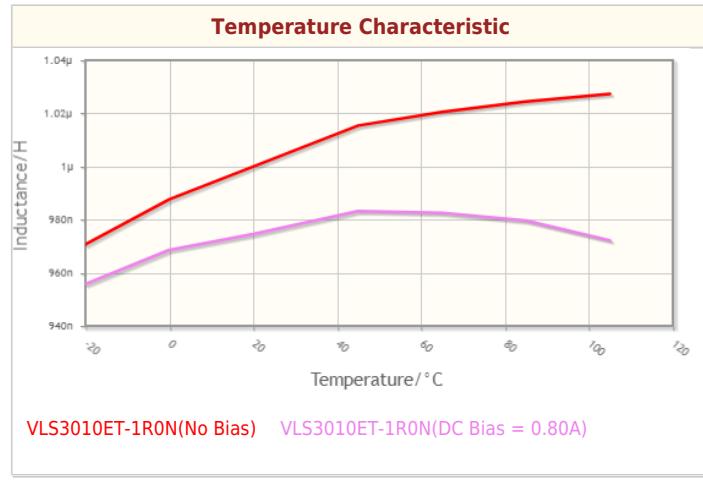
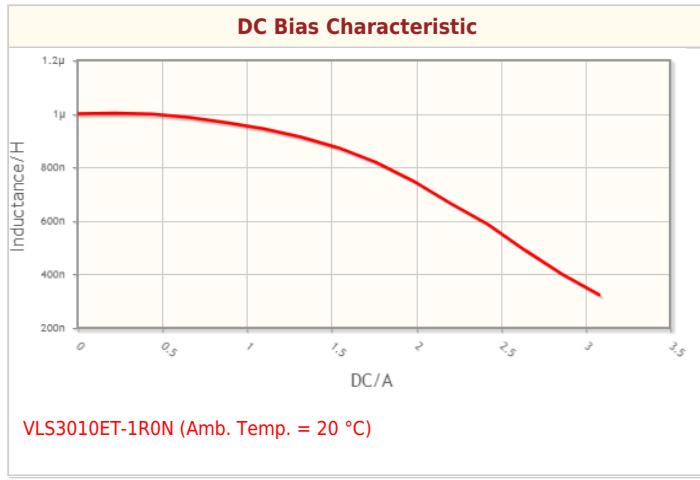
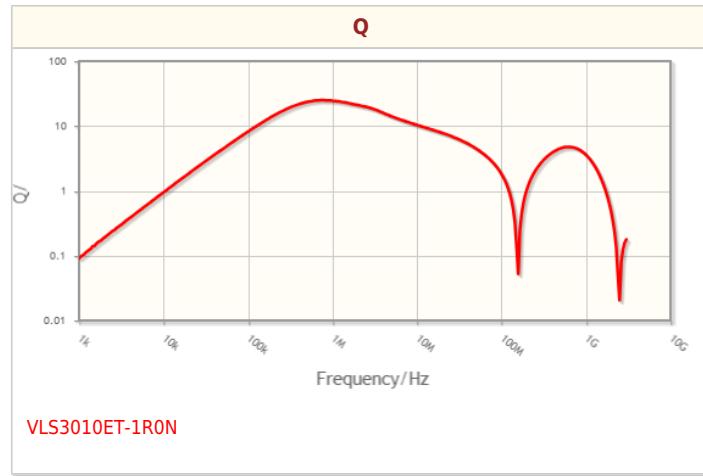
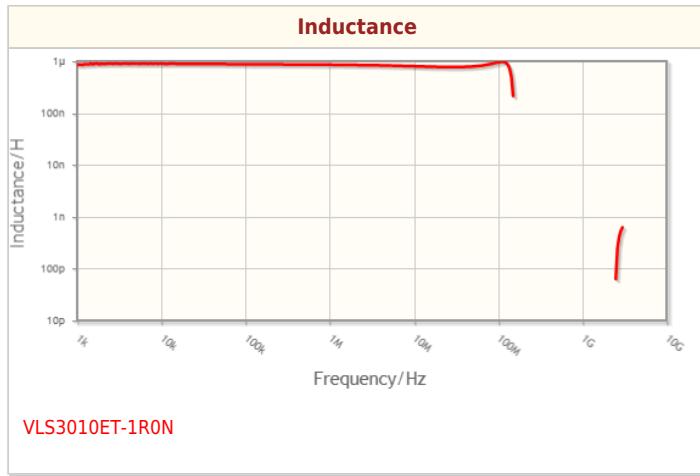
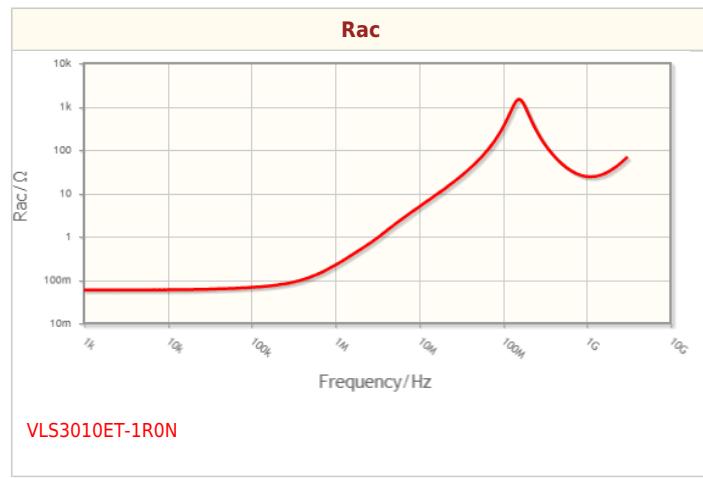
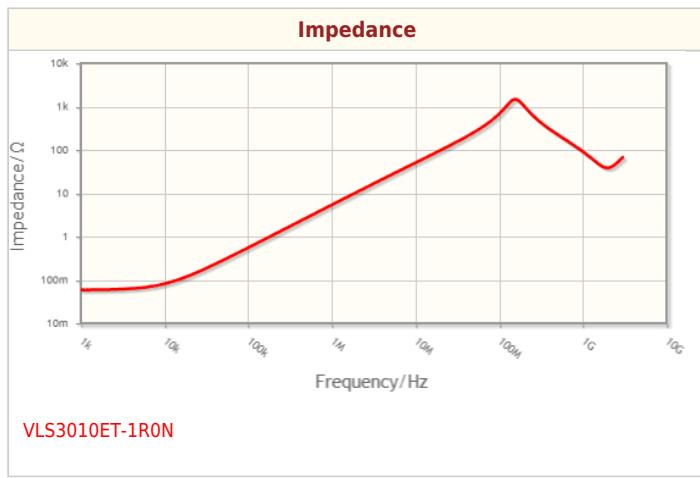


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Characteristic Graphs (This is reference data, and does not guarantee the products characteristics.)



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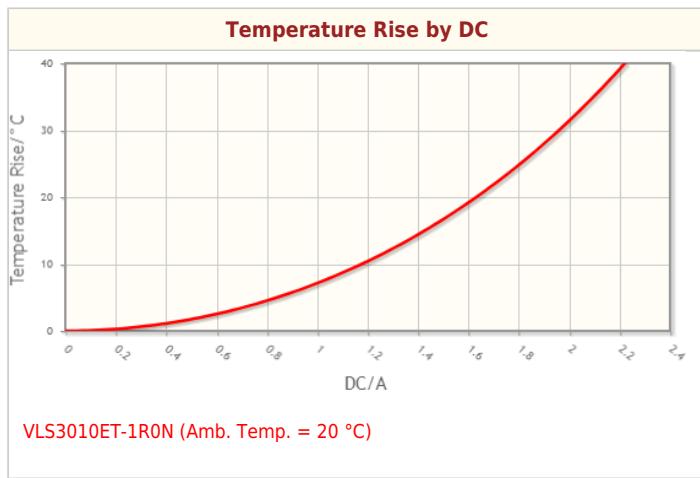
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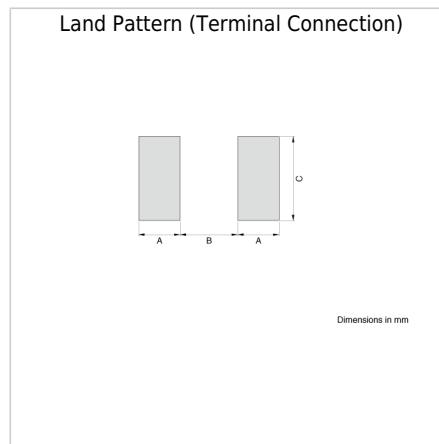
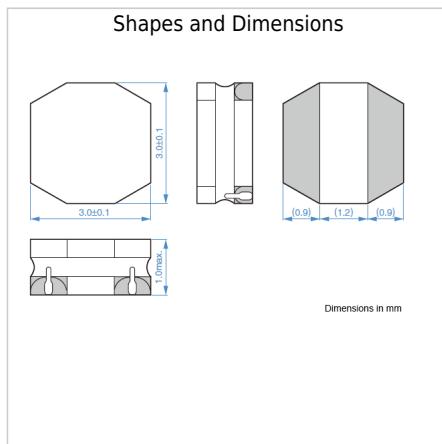


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Associated Images



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