

NRS

SMD Shielded Tiny Power Inductor

Size 2510



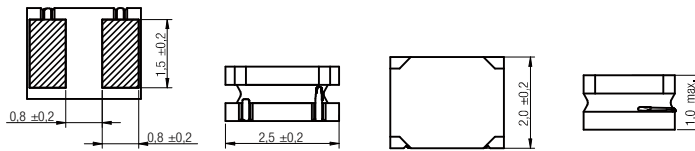
Characteristics

- Tiny Power Inductor Design
- 1.7 times more current in comparison with unshielded versions
- Robust Design & Large durability
- Low RDC
- Magnetically Shielded with Magnetic Glue reducing Buzz noise in ultra-low levels
- Operating Temperature: $-40\text{ }^{\circ}\text{C}$ to $+125\text{ }^{\circ}\text{C}$

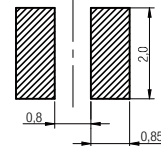
Applications

- Integrated DC/DC Converters
- Switching controllers which required high efficiency
- Portable power (Smartphones, Digital cameras, Tablets, etc.)
- Embedded Laptops and PCs
- Big sizes (5040, 60xx, 8040) used for Shock-proof circuits

Dimensions (in mm)



Land pattern (in mm)



Electrical properties

Part Number	L (μH)	Tolerance (%)	I_R (A)	I_{sat} (A)	$R_{DC} \pm 25\%$ (mΩ)	Qty.
NRS2510-1R0N	1.0	±30	1.65	1.85	90	2000
NRS2510-1R5M	1.5	±20	1.30	1.80	152	
NRS2510-2R2M	2.2		1.20	1.20	174	
NRS2510-3R3M	3.3		0.90	1.05	273	
NRS2510-4R7M	4.7		0.70	0.95	469	
NRS2510-6R8M	6.8		0.59	0.78	747	
NRS2510-100M	10		0.50	0.65	910	