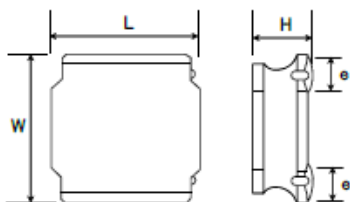


SMD Power Inductors (NR series S type)

NRS4010T220MDGG



■ Features

- Item Summary
22uH $\pm$ 20%, 0.45A, 4.0x4.0x1.0mm
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping Embossed 5000pcs

■ Products characteristics table

Inductance	22 uH $\pm$ 20 %
Case Size (mm)	4.0x4.0
Rated Current (max)	0.45 A
Saturation Current (max)	0.45 A
Temperature Rise Current (max)	0.5 A
DC Resistance (typ)	0.57 Ω
DC Resistance (max)	0.684 Ω
LQ Measuring Frequency	100 kHz
Self Resonant Frequency (min)	19 MHz
Operating Temp. Range	-25 to +125 $^{\circ}$ C (Including-self-generated heat)
RoHS2 Compliance	Yes
REACH Compliance	Yes
Soldering	Reflow

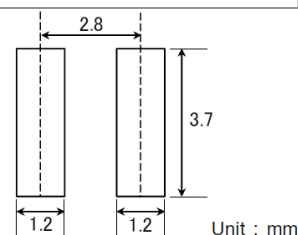
■ External Dimensions

Dimension L	4.0 $\pm$ 0.2 mm
Dimension W	4.0 $\pm$ 0.2 mm
Dimension H	Max 1.0 mm
Dimension e	1.1 $\pm$ 0.2 mm

■ Recommended Land Patterns

【推奨ランドパターン】
実装上の注意
・実装状態を確認の上ご使用くださいますようお願いいたします。
・本製品のはんだ付けはリフローはんだ工法に限りします。

【Recommended Land Patterns】
Surface Mounting
・Mounting and soldering conditions should be checked beforehand.
・Applicable soldering process to these products is reflow soldering only.



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Dimension	unit : mm	unit : inch
Length :	4.0 + / - 0.2	(0.157 + / - 0.008)
Width :	4.0 + / - 0.2	(0.157 + / - 0.008)
Height :	1.0 max.	(0.039 max.)

Inductance :	22	μ H	(test freq at 0.1MHz)
DC Resistance :	0.57 / 0.684	ohm	(typ / max)
Saturation Current :	450	mA	(max)
Temp. rise Current :	500	mA	(max)
Saturation current typical : 30% reduction from initial L value.			
Temp rise Current typical : Temperature will rise by 40 deg C			

