

好东方59PR9870N电感替代服务器主板电感

产品名称	好东方59PR9870N电感替代服务器主板电感
公司名称	深圳市好东方新能源环保有限公司
价格	1.88/pcs
规格参数	品牌:H-EAST 型号:59PR9870N 产地:深圳
公司地址	深圳市宝安区沙井街道新和路衙边第三工业区
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产品详情

Part Number 59PR987xN xxxxS 0.433 [11,00] MAX 0.283 [7,20] MAX 2 1 0.300 [7,62] 0.005 [0,13] 2 PLS 0.100 +/- 0.02 [2,54 +/- 0,51] 2 PLS Dim. A 0.061 [1.55] Add an "R" to the part number after "P" for the RoHS compliant version (i.e. 59PR9871N is the RoHS compliant version of 59P9871N). Trise (oC) = Core Loss + DCR Loss TRF A 0.833 DCR Loss (mW) = Idc2 + ... I 2 2 x TYP DCR (mOhms) Core Loss (mW) = TRF B x (F)1.84 x (TRF C x ... I)2.28 IDC = DC output current (ADC) ... I = Delta I across the inductor (Amps) F = Switching frequency (kHz) The Saturation Current (Isat) is the current at which the Inductance drops by a maximum of 20% below the lower limit of its value specified at 0 ADC Bias. Inductance at Isat is measured at the specified Ambient Temperature by applying DC Bias by a short period of time to minimize the self-heating effect of the component. The Temperature Rise Current is the current at which the temperature of the part increases by 50oC. This test is performed with the part mounted on a PCB with traces having 1.7 times the cross sectional area of the copper leads of the part. The temperature of the part is measured after applying the DC current for a minimum of 10 minutes. Inductance is measured at 100 KHz and 1.0 Vrms. Temperature Rise can be estimated using the following formulas: 1. 2. 3. 4. 59P9870N 59P9871N 59P9872N 59P9873N 59P9874N 59P9875N 59P9876N 0.307 [7.80] 0.299 [7.60] P/N MAX Dimension A 0.299 [7.60] 0.295 [7.50] 0.295 [7.50] 0.295 [7.50] 0.295 [7.50] ± 15% Inductance3 @ 0 Adc 220 300 400 510 120 150 nH 70 Inductance3 @ Isat1 (25o C) MIN nH 150 204 272 347 82 102 48 Isat1 (Max Saturation Current) ADC 25oC 100o C 125oC 39 29 19 14 73 58 116 41 30 20 15 76 60 120 47 34 23 17 87 70 138 Temp. Rise Current2 MAX ADC 48 48 48 48 48 48 48 Temp. Rise Factor A (TRF A)4 Temp. Rise Factor B (TRF B)4 Temp. Rise Factor C (TRF C)4 6.10 6.10 6.10 6.10 6.10 6.10 6.10 0.004223 0.004203 0.004191 0.004183 0.004296 0.004265 0.004428 0.04334 0.05914 0.07887 0.10057 0.02357 0.02950 0.01364 DCR mOhms 0.29 0.29 0.29 0.29 0.29 0.29 0.29 ± 10% RoHS 59PR9873N 59PR9874N 59PR9875N 59PR9876N 59PR9872N 59PR9871N 59PR9870N 59P9873N 59P9874N 59P9875N 59P9876N 59P9872N 59P9871N Classic 59P9870N

深圳市好东方新能源环保有限公司（以下简称H-East）成立于2014年10月，是一家主要从事两片式大功率电感，一体成型电感（碳基粉末，合金粉末），扁平线电感，共模电感，插件电感，PD平板变压器研发、生产、销售为一体的高新技术企业、主要产品包括CPU/GPU应用组合式大功率电感器、DC/DC扁平线组合式大功率电感器、EMI共模电感器、一体成型合金电感器、一体成型炭基电感器、方型插件电感器、方型组合贴片电感器、普通功率电感器及磁环绕线电感器、无线充电线圈组件、天线、电子变

压器等电子元件。好东方的产品***应用于显卡、服务器、矿机、工控板、主板及笔记本、通讯、消费类电子、计算机、LED照明、安防、智能电网、医疗设备以及汽车电子等领域好东方(H-EAST)是国内Power Bead电感研发生产的重点厂商之一，以及给前几大台资电感厂代工power Bead电感，同时显卡，矿卡，主板基站服务器建设厂商、服务器厂商采购此类电感时，主要考虑其通流与转换效率及高频大功率作用。从生产工艺上，好东方Power Bead电感从磁芯装配、铜端子装配、点胶、盖板、烘烤、检测和包装等全流程，均采用自动化及治具半自动生产工序，产品品质稳定。据悉，目前好东方已有十多条Power Bead电感自动化生产线，前后投入设备五十多台，月产能达10kk，产品已应用于海内外多家服务器厂商已有多个系列的Power Bead电感产品可供下游需求厂商选型，厂商可根据设计模组给电感的预留空间大小、所需电感量等不同指标，选择合适的服务器电感型号其系列Power Bead电感尺寸0404 04到150705，拥有超低直流电阻(0.12DCR,0.15DCR,0.18DCR,0.29DCR,0.32DCR)、大电流、高饱和和产品特性，电感量范围0.047uH--0.80uH(47NL,70NL,R10,R12,R15.....)电流可达120A，工作温度可达155。还可提供2相或多相的交错并联耦合电感设计方案，架空结构方案，为客户提供定制设计方案。

我公司主要经营组合式大功率服务器主板电感，一体成型贴片电感，车规共模EMI电感，电感器、一体成型电感、组合式电感大功率、两片式服务器电感