

NR252012LDES-2R2MC 系列文章

标题：具有极高电流以及超低电阻的 252012 尺寸 2R2 感值的小薄贴片电感

CKNR252012LDES 系列

产品尺寸：长：2.5mm 宽：2.0mm 高：1.25mm Max

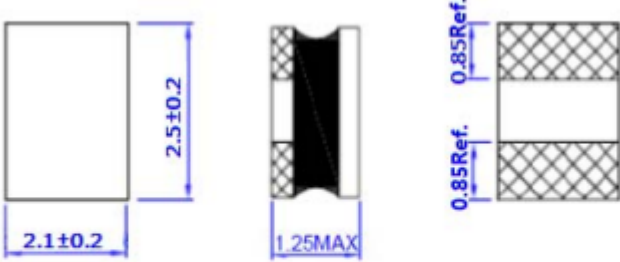
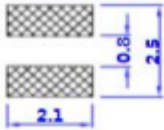
252012 尺寸在市面上使用量最大的感值是 2.2uH，今凯电子针对该感值特意开发出了超低电阻与高电流的贴片电感，料号为 CKNR252012LDES-2R2MC-E

Dcr 为 96mΩ Max 饱和电流与温升电流皆达到 1.8A MPQ 2K/R

与同行相比在电阻和电流上都做出了极大的改善，该产品今凯电子已实现量产，月产能 90KK，交期与品质都具有极高的保障

SWPA252012S Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current ³		Heat Rating Current ⁴	
	@100kHz, 1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Max.
Units	μH	Ω		MHz	A		A	
Symbol	L	DCR		S.R.F	Test Inductance		Test Inductance	
SWPA252012SR47NT	0.47±30%	0.061	0.047	160	3.82	4.27	2.13	2.34
SWPA252012SR68NT	0.68±30%	0.074	0.057	140	3.28	3.68	1.95	2.13
SWPA252012S1R0NT	1.0±30%	0.090	0.069	110	2.59	2.90	1.93	2.10
SWPA252012S1R2NT	1.2±30%	0.129	0.099	100	2.38	2.67	1.46	1.59
SWPA252012S1R5MT	1.5±20%	0.147	0.113	97	2.24	2.51	1.40	1.53
SWPA252012S2R2MT	2.2±20%	0.216	0.166	69	1.85	2.07	1.15	1.25
SWPA252012S2R7MT	2.7±20%	0.239	0.184	63	1.72	1.92	1.09	1.19
SWPA252012S3R3MT	3.3±20%	0.264	0.203	62	1.61	1.80	1.04	1.13

SHAPE & DIMENSION (UNIT:mm)	
 Top view: 2.1±0.2 (width), 2.5±0.2 (height) Side view: 1.25MAX (thickness) End view: 0.85Ref. (top and bottom pad thickness)	
Marking Code:	Size: Color: typeface:
PAD LAYOUT(mm):	ELECREICAL SCHEMATIC:
Recommended land pattern 	

ELECREICAL SPECIFICATION					
MEAS. ITEM	SPEC.			TEST FREQ.	CONDITIONS
L	2.2	μH	± 20%	100KHz/1V	Ta=25℃ • Idc=0A
DCR	96	mΩ	Max.		Ta=25℃
Isat	1.8	A	Max.	100KHz/1V	ΔL/L≤30%
Irms	1.8	A	Max.	100KHz/1V	Δ≤40℃
GENERAL SPECIFICATION					
Electrical specifications at 25℃					
Operation Temperature : -40~+125℃					
Storage Temperature : -40~+125℃					

