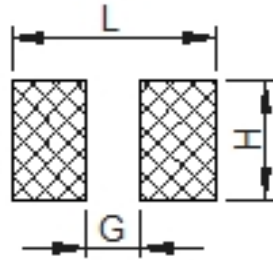


SPECIFICATION FOR APPROVAL

PAD LAYOUT: (UNIT: mm)



ITEM	L (Ref.)	H (Ref.)	G (Ref.)
NR2010	2.3	1.7	0.6
NR2508	2.5	2.1	0.8
NR2512	2.5	2.1	0.8
NR3010	3.1	2.7	1.4
NR3015	3.1	2.7	1.4
NR4010	4.5	3.8	1.6
NR4018	4.5	3.8	1.6
NR4020	4.5	3.8	1.6
NR4026	4.5	3.8	1.6
NR4030	4.5	3.8	1.6
NR5012	5.1	4.0	2.1
NR5020	5.1	4.0	2.1
NR5030	5.1	4.0	2.1
NR5040	5.1	4.0	2.1
NR6012	6.4	5.7	2.4
NR6020	6.4	5.7	2.4
NR6028	6.4	5.7	2.4
NR6045	6.4	5.7	2.4
NR6060	6.4	5.7	2.4
NR8030	8.5	7.5	3.4
NR8040	8.5	7.5	3.4
NR8050	8.5	7.5	3.4
NR8060	8.5	7.5	3.4
NR8065	8.5	7.5	3.4
NR10050	10.2	5.5	6.2
NR10060	10.2	5.5	6.2

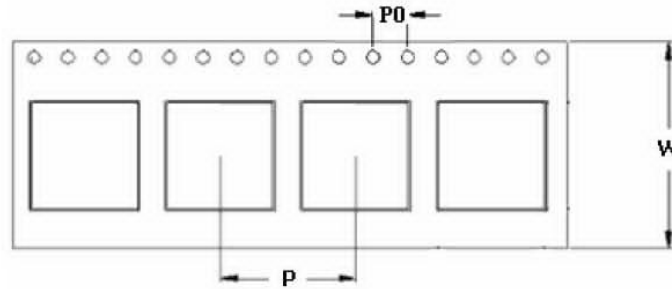


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SPECIFICATION FOR APPROVAL

PACKAGING QUANTITY: (UNIT: mm)



TYPE	P	P0	W	BULK	PCS / REEL
NR2010	4.0 ± 0.1	4.0 ± 0.1	8.0 ± 0.2	v	2000
NR2508	4.0 ± 0.1	4.0 ± 0.1	8.0 ± 0.2	v	2000
NR2512	4.0 ± 0.1	4.0 ± 0.1	8.0 ± 0.2	v	2000
NR3010	4.0 ± 0.1	4.0 ± 0.1	8.0 ± 0.2	v	2000
NR3015	4.0 ± 0.1	4.0 ± 0.1	8.0 ± 0.2	v	2000
NR4010	8.0 ± 0.1	4.0 ± 0.1	12.0 ± 0.3	v	1000
NR4018	8.0 ± 0.1	4.0 ± 0.1	12.0 ± 0.3	v	3000
NR4020	8.0 ± 0.1	4.0 ± 0.1	12.0 ± 0.3	v	3000
NR4026	8.0 ± 0.1	4.0 ± 0.1	12.0 ± 0.3	v	2000
NR4030	8.0 ± 0.1	4.0 ± 0.1	12.0 ± 0.3	v	2000
NR5012	8.0 ± 0.1	4.0 ± 0.1	12.0 ± 0.3	v	4000
NR5020	8.0 ± 0.1	4.0 ± 0.1	12.0 ± 0.3	v	2000
NR5030	8.0 ± 0.1	4.0 ± 0.1	12.0 ± 0.3	v	2000
NR5040	8.0 ± 0.1	4.0 ± 0.1	12.0 ± 0.3	v	1500
NR6012	8.0 ± 0.1	4.0 ± 0.1	12.0 ± 0.3	v	1000
NR6020	12.0 ± 0.1	4.0 ± 0.1	16.0 ± 0.3	v	2000
NR6028	12.0 ± 0.1	4.0 ± 0.1	16.0 ± 0.3	v	2000
NR6045	12.0 ± 0.1	4.0 ± 0.1	16.0 ± 0.3	v	1000
NR6060	12.0 ± 0.1	4.0 ± 0.1	16.0 ± 0.3	v	800
NR8030	12.0 ± 0.1	4.0 ± 0.1	16.0 ± 0.3	v	1000
NR8040	12.0 ± 0.1	4.0 ± 0.1	16.0 ± 0.3	v	1000
NR8050	12.0 ± 0.1	4.0 ± 0.1	16.0 ± 0.3	v	700
NR8060	12.0 ± 0.1	4.0 ± 0.1	16.0 ± 0.3	v	800
NR8065	12.0 ± 0.1	4.0 ± 0.1	16.0 ± 0.3	v	700
NR10050	16.0 ± 0.1	4.0 ± 0.1	24.0 ± 0.3	v	800
NR10060	16.0 ± 0.1	4.0 ± 0.1	24.0 ± 0.3	v	700

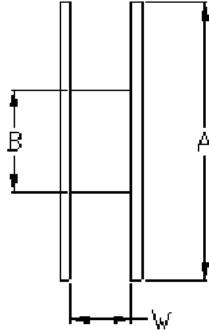
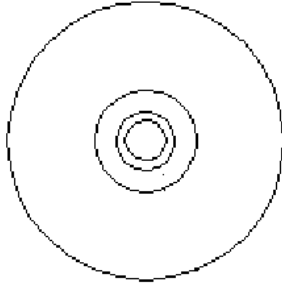


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SPECIFICATION FOR APPROVAL

PACKAGING QUANTITY: (UNIT: mm)



TYPE	A	B	W
NR2010	180	62	8.4
NR2508	180	62	8.4
NR2512	180	62	8.4
NR3010	180	62	8.4
NR3015	180	62	8.4
NR4010	180	62	12.5
NR4018	330	100	12.5
NR4020	330	100	12.5
NR4026	330	100	12.5
NR4030	330	100	12.5
NR5012	330	100	12.5
NR5020	330	100	12.5
NR5030	330	100	12.5
NR5040	330	100	12.5
NR6012	180	62	12.5
NR6020	330	100	16.5
NR6028	330	100	16.5
NR6045	330	100	16.5
NR6060	330	100	16.5
NR8030	330	100	16.5
NR8040	330	100	16.5
NR8050	330	100	16.5
NR8060	330	100	16.5
NR8065	330	100	16.5
NR10050	330	100	24.5
NR10060	330	100	24.5

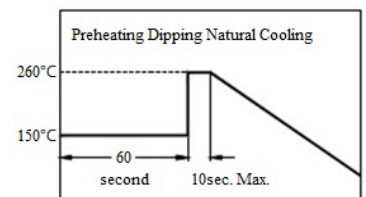


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SPECIFICATION FOR APPROVAL

RELIABILITY AND TEST CONDITIONS:

Item	Performance	Test Condition															
Operating Temperature	-40~+125℃																
Rated Current	Refer to standard electrical characteristics list.																
Temperature Rise Test	40℃ max. (Δt)																
Solder heat Resistance	Appearance: No significant abnormality. Inductance change: Within ± 30%.	Preheat:150℃,60sec. Solder : H63A Solder temperature:260+0-5℃ Flux: rosin Dip time:10sec. Max. 															
Thermal shock	Appearance: no damage Inductance: within±30%of initial value.	Condition for 1 cycle Step1:-25±2℃ 30±3 min. Step2:Room temperature 15 min. Step3:+85±5℃ 30±3 min. Step4:Room temperature 15 min. Number of cycles:50 Measured:50 times <table><tr><th>Phase</th><th>Temperature</th><th>Time(min)</th></tr><tr><td>1</td><td>-25±2℃</td><td>30±3</td></tr><tr><td>2</td><td>Room Temp.</td><td>15</td></tr><tr><td>3</td><td>+85±2℃</td><td>30±3</td></tr><tr><td>4</td><td>Room Temp.</td><td>15</td></tr></table>	Phase	Temperature	Time(min)	1	-25±2℃	30±3	2	Room Temp.	15	3	+85±2℃	30±3	4	Room Temp.	15
Phase		Temperature	Time(min)														
1		-25±2℃	30±3														
2	Room Temp.	15															
3	+85±2℃	30±3															
4	Room Temp.	15															
Humidity Resistance Test	Temperature:40±2℃. Applied current: rated current. Duration:500 hrs. Humidity:90~95%																
High Temperature Resistance Test	Temperature:85±2℃. Applied current: rated current. Duration:500 hrs.																



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