CDRR126NP-330MC Datasheet

DiGi Electronics Part Number	CDRR126NP-330MC-DG
Manufacturer	Sumida America Components Inc.
Manufacturer Product Number	CDRR126NP-330MC
Description	INDUCTOR
Detailed Description	33 µH Shielded Drum Core, Wirewound Inductor 2.6 5 A 66mOhm Max Nonstandard

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RFQ Email: Info@DiGi-Electronics.com

Purchase and inquiry

Manufacturer Product Number:	Manufacturer:
CDRR126NP-330MC	Sumida America Components Inc.
Series:	Product Status:
CDRR126	Active
Type:	Material - Core:
Drum Core, Wirewound	Ferrite
Inductance:	Tolerance:
33 µH	±20%
Current Rating (Amps):	Current - Saturation (Isat):
2.65 A	2.28A
Shielding:	DC Resistance (DCR):
Shielded	66mOhm Max
Q @ Freq:	Frequency - Self Resonant:
-	-
Ratings:	Operating Temperature:
AEC-Q200	-40°C ~ 125°C
Inductance Frequency - Test:	Features:
1 kHz	-
Mounting Type:	Package / Case:
Surface Mount	Nonstandard
Supplier Device Package:	Size / Dimension:
-	0.504" L x 0.504" W (12.80mm x 12.80mm)
Height - Seated (Max):	
0.268" (6.80mm)	

SMD Power Inductor
CDRR126

RoHS

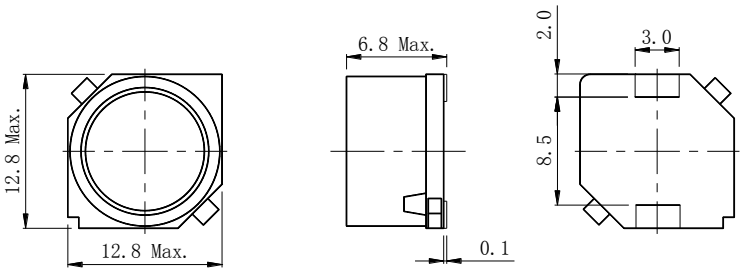
Description
- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H: 12.8 × 12.8 × 6.8 mm Max.
- Product weight: 2.9 g(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Qualification to AEC-Q200.

Environmental Data
- Operating temperature range: -40℃～+125℃ (including coil's self temperature rise)
- Storage temperature range: -40℃～+125℃
- Solder reflow temperature: 260 ℃ peak.

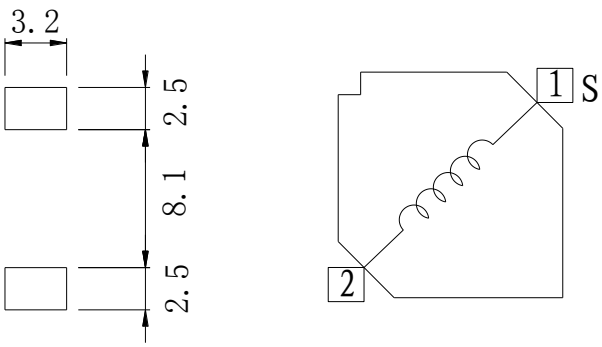
Packaging
- Carrier tape and reel packaging.
- 13.0"diameter reel
- 500pcs per reel

Applications
- For consumer electronics :DVD player, person computer, LCD display, etc.
- For automotive: ABS, SRS airbag, HID/LED, ca audio, car navigation, LCD display, etc.

Dimension - [mm]



Land pattern and Schematics - [mm]



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Electrical Characteristics

Part No.	Stamp	Inductance ［Within］※1	D.C.R. (Ω) [Max.] (Typ.) (at 20℃)	Saturation current (A) ※2		Temperature rise current (A) ※3
				(at 25℃)	(at 125℃)	
CDRR126NP-7R0NC	7R0	7.0μH±30%	28m(22m)	5.00(6.25)	3.84(4.80)	4.62(5.30)
CDRR126NP-100MC	100	10μH±20%	33m(26m)	4.30(5.38)	3.32(4.15)	4.18(4.70)
CDRR126NP-150MC	150	15μH±20%	38m(30m)	3.68(4.60)	2.87(3.59)	3.73(4.25)
CDRR126NP-220MC	220	22μH±20%	45m(36m)	3.08(3.85)	2.26(2.82)	3.30(3.80)
CDRR126NP-330MC	330	33μH±20%	66m(53m)	2.28(2.85)	1.76(2.20)	2.65(3.20)
CDRR126NP-470MC	470	47μH±20%	80m(64m)	2.08(2.60)	1.56(1.95)	2.52(2.86)
CDRR126NP-680MC	680	68μH±20%	0.118(95m)	1.68(2.10)	1.28(1.60)	2.00(2.30)
CDRR126NP-101MC	101	100μH±20%	0.166(0.133)	1.36(1.70)	1.03(1.29)	1.60(1.83)
CDRR126NP-151MC	151	150μH±20%	0.234(0.187)	1.10(1.37)	0.83(1.04)	1.33(1.53)
CDRR126NP-221MC	221	220μH±20%	0.371(0.297)	0.90(1.12)	0.71(0.89)	1.09(1.22)
CDRR126NP-331MC	331	330μH±20%	0.538(0.430)	0.77(0.96)	0.61(0.76)	0.88(1.00)

※1. Measuring condition: at 1kHz.

※2. Saturation current: The value of D.C. current when the inductance decreases to 90% of it's nominal value.

※3. Temperature rise current: The value of D.C. current when the temperature rise is △t＝40℃(Ta＝20℃).

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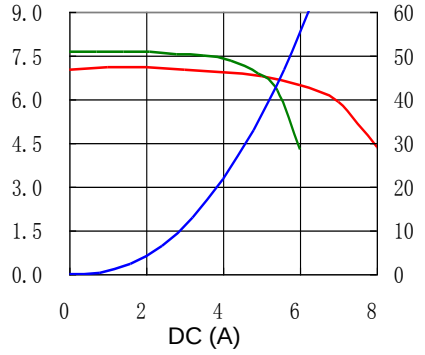
CDRR126

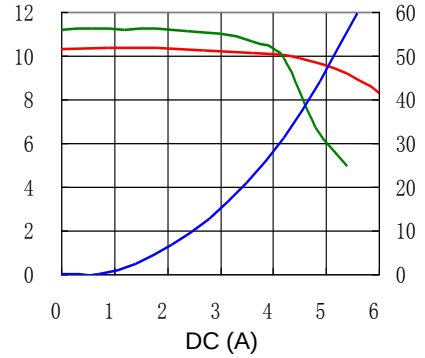
Saturation Current & Temperature Rise Graph

L (25℃) L (125℃) △T

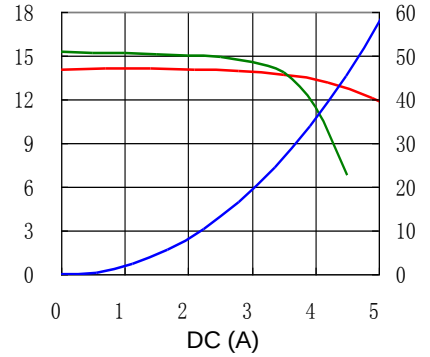
1. CDRR126NP-7R0NC



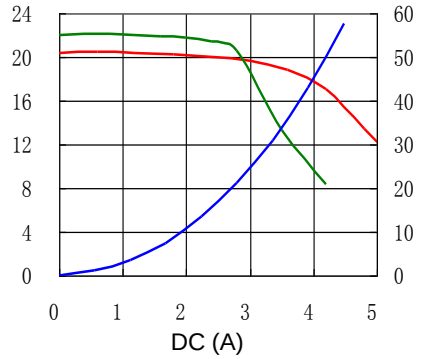
2. CDRR126NP-100MC



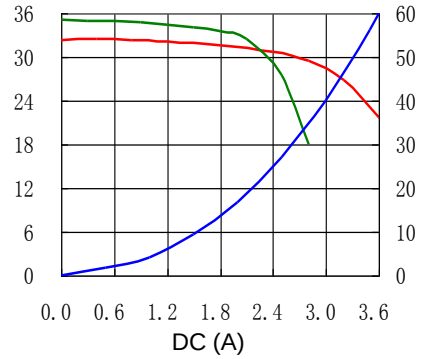
3. CDRR126NP-150MC



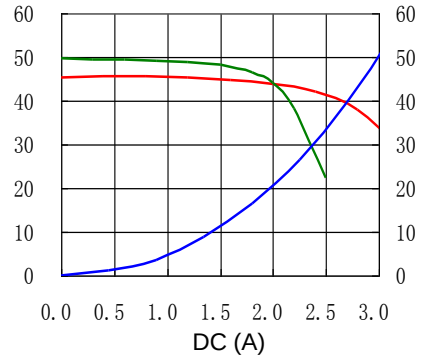
4. CDRR126NP-220MC



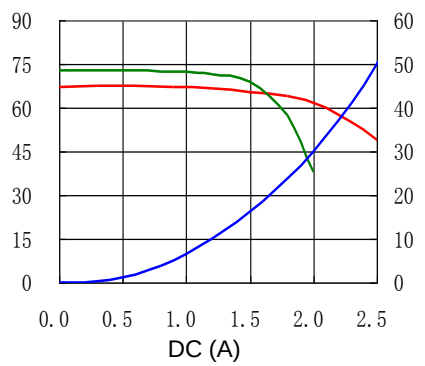
5. CDRR126NP-330MC



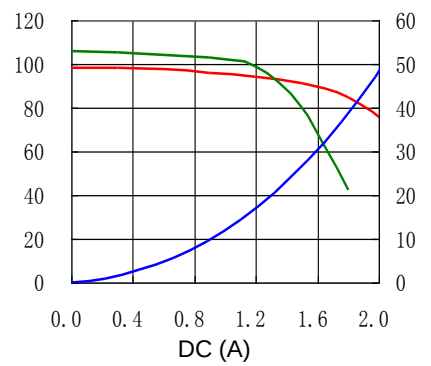
6. CDRR126NP-470MC



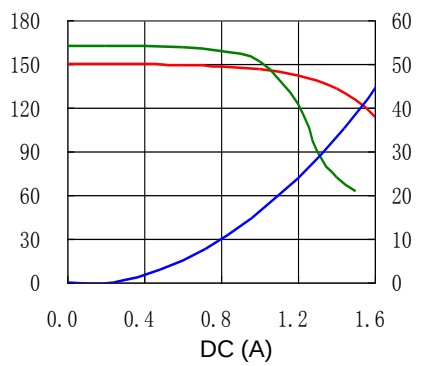
7. CDRR126NP-680MC



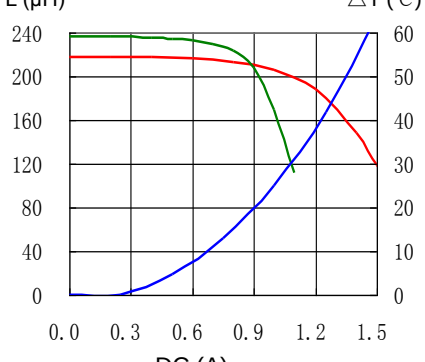
8. CDRR126NP-101MC



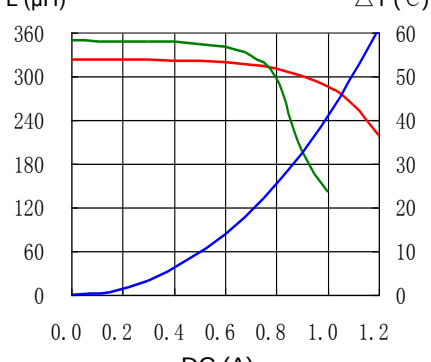
9. CDRR126NP-151MC



10. CDRR126NP-221MC



11. CDRR126NP-331MC



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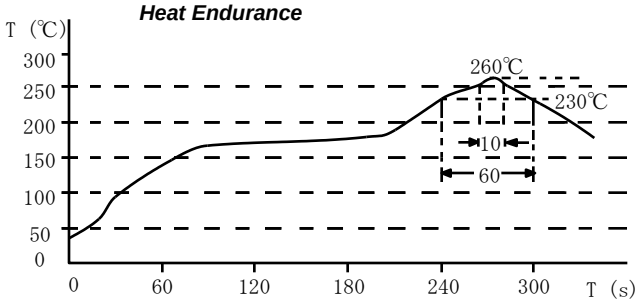
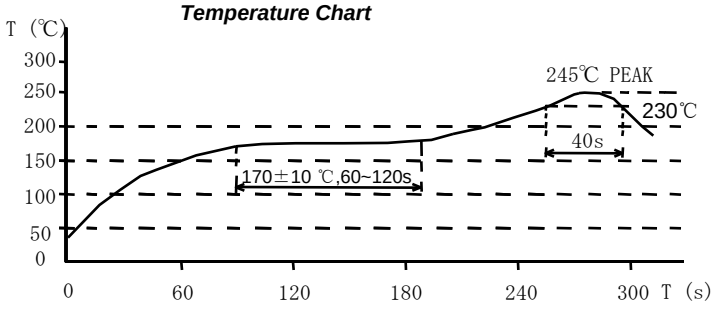
Solder Reflow Condition

Heat Endurance



Temperature Chart



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