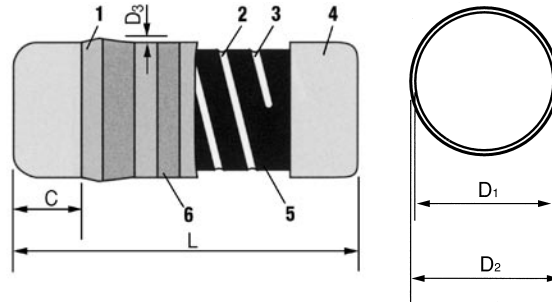


MELF TYPE

METAL FILM • JUMPER

RN41 • CC



STRUCTURE RN41

- 1 Protective coating
- 2 Trimming cut
- 3 Ceramic rod
- 4 Cap (iron solder plated)
- 5 Metal film
- 6 Marking

STRUCTURE CC

- 1 Protective coating
- 2 No trimming cut
- 3 Ceramic rod
- 4 Cap (iron solder plated)
- 5 Copper film
- 6 Marking (see identification)

- a TCR25 (pink or blue), TCR15 (violet); TCR10 and TCR5 (dark green)
 b other TCR's: 4 bands (E24); 5 bands (E96) color code
 c other TCR's and tolerances have green coating with 4 bands (E24) or 5 bands (E96) color code

All these products have Pb-free terminations and meet EU-RoHS requirements

IDENTIFICATION

TYPE	COATING COLOR	MARKING
RN41 2DS	Clear	4 bands (E24); 5 bands (E96) color code
RN41 2A	Blue	3 bands color code
RN41 2ES	Blue (TCR 50) ^a	5 bands color code (TCR50) ^b
RN41 2E	Blue	3 bands (E24); 4 bands (E96) color code
RN41 2H	Blue	3 bands (E24) color code
RN41 3AS	Blue (TCR 50, 1%) ^c	5 bands color code (TCR50, 1%) ^c
CC-Series	Blue-Green	One black band

TYPE DESIGNATION (HOW TO ORDER)

RN41-SERIES							CC-SERIES		
RN41	2ES	T	TE	1002	F	50	CC25M	T	TE
PRODUCT CODE	STYLE	TERMINATION SURFACE MATERIAL T: Sn (lead free)	TAPING TE: 7" reel (4 mm pitch) 3000 pcs. (sizes 0102, 0204) 1500 pcs. (size 0207) TEB: 13" reel (4mm pitch) 9000 pcs. (size 0204 only)	NOMINAL RESISTANCE B, C, D, F: 4 digits G, J: 3 digits	RESISTANCE TOLERANCE B, C, D, F, G, J	T.C.R. Unit: ppm/K 05, 10, 25, 50, 100, 200	PROD. CODE	TERMINATION SURFACE MATERIAL T: Sn (lead free)	TAPING TE: 7" reel (4 mm pitch) 3000 pcs. (CC10, CC12) 1500 pcs. (CC25) TEB: 13" reel (4mm pitch) 6000 pcs. (CC25 only)

FEATURES

- High grade oxide ceramic core
- Higher electrode strength and lower current noise ratio than flat chip resistors
- Operating temperature range: - 55° C ... + 125° C (+155° C)
- High stability in short and long term tests
- Rated ambient temperature: + 70° C
- Standard size: 0102 (MICRO – MELF)
0204 (MINI – MELF)
0207 (MELF)
- Meets or exceeds IEC 60115-8, JIS C 5201-8, EIAJ RC-2134A
- Suitable for reflow, wave and iron soldering
- Lab Kit available

DIMENSIONS (mm)

SIZE	TYPE	L	C	D ₁	D ₂	D ₃
0102	RN41 2DS • CC10M	2.2 ± 0/-0.1	0.35 ~ 0.45	1.1 ± 0/-0.1	1.10 Max.	0.00 Max.
—	RN41 2A • CC10	2.0 ± 0.1	0.3 Min.	1.25 ± 0.05	1.35 Max.	0.07 Max.
0204	RN41 2ES • CC12M	3.5 ± 0.2	0.5 ~ 0.9	1.4 ± 0.15	1.55 Max.	0.10 Max.
	CC12		0.5 Min.	1.45 ± 0.1		
0207	RN41 3AS • CC25M	5.8 ± 0.3	0.5 ~ 1.45	2.15 ± 0.15	2.40 Max.	0.15 Max.
	RN41 2E/2H • CC25	5.9 ± 0.2	0.5 Min.	2.2 ± 0.1		

RATING

SIZE	TYPE	T.C.R. (ppm/K)	POWER RATING*	MAX. WORKING VOLTAGE	RESISTANCE RANGE AND TOLERANCE					
					B (± 0.1%) E24 • E96	C (± 0.25%) E24 • E96	D (± 0.5%) E24 • E96	F (± 1%) E24 • E96	G (± 2%) E24	J (± 5%) E24
0102	RN41 2DS	± 15 ± 25 ± 50	0.2 W	150 V	100Ω...100kΩ	100Ω...100kΩ 100Ω...221kΩ	100Ω...100kΩ 47Ω...221kΩ	— 10Ω...221kΩ	—	—
—	RN41 2A	± 100 ± 5	0.125 W	100 V	—	—	—	100Ω...100kΩ	1Ω...9.1Ω	0.22Ω...0.91Ω
0204	RN41 2ES	± 10 ± 15 ± 25 ± 50	0.25 W	200 V	100Ω...100kΩ 100Ω...221kΩ 43Ω...221kΩ 43Ω...511kΩ	100Ω...100kΩ 100Ω...221kΩ 22Ω...221kΩ 22Ω...511kΩ	— — 10Ω...221kΩ 100Ω...604kΩ	— — 1Ω...511MΩ	—	0.22Ω...0.91Ω
	RN41 2E	± 25 ± 50			—	100Ω...100kΩ	100Ω...1MΩ	10Ω...1MΩ	—	—
	RN41 2H	± 200 ± 50	0.5 W		—	—	—	—	—	0.22Ω...100kΩ
0207	RN41 3AS	± 5 ± 10 ± 15 ± 25 ± 50	0.4 W 1 W	250 V 400 V	100Ω...100kΩ 100Ω...511kΩ —	100Ω...100kΩ 100Ω...511kΩ —	— 100Ω...511kΩ 1Ω...2.21MΩ	— — 1Ω...1MΩ	—	0.1Ω...0.91Ω
0102 / -	CC10M • CC10									
0204	CC12M • CC12									
0207	CC25M • CC25									

* For resistors operated at an ambient temperature of +70°C or above, the power rating shall be derated.