

Resistor/Capacitor Chip Network

PCF RC Series

- RoHS Compliant
- Saves board space
- Reduces component count
- Resistor and capacitor on one 1206 size chip

Electrical Data

	Resistor	Capacitor
Range (Ω)	10 - 1K	10pF - 200pF
Tolerance	10%, 20%	20%
Max Voltage	5V	50V
Power Rating	0.125W	N/A
Operating Temperature	-55°C + 125°C	-55°C + 125°C
Temperature Coefficient (-55°C to +85°C)	200 ppm/°C	+20% / - 55%
Dissipation Factor	N/A	5% Max 1KHz

Environmental Data

Test	Method	Test Limits
Terminal Strength	3mm bending for 10 seconds	No mechanical damage
Resistance To Soldering Heat	260°C \pm 5°C for 10 \pm 1 sec.	Δ R: \pm 3% Δ C: \pm 10%
Resistance To Vibration	(10~55~10 Hz) for 1 min. Amplitude 1.5mm 3 directions for 2 hours	Δ R: \pm 3% Δ C: \pm 10%
Solderability	235°C \pm 5°C for 3 \pm 0.5 sec.	Δ R: \pm 3% Δ C: \pm 10%
Temperature Cycling	-40°C/30 min., +125°C/ 30 min., 100 cycles	Δ R: \pm 3% Δ C: \pm 10%
Terminal Strength	70°C \pm 2°C, DC50V "on" for 90 min. and "off" for 30 min. for 1,000 hours	Δ R: \pm 3% Δ C: \pm 10%
Load Life In Humidity	70°C \pm 2°C, 90~95% RH DC50V "on" for 90 min. and "off" for 30 min. for 1,000hours	Δ R: \pm 3% Δ C: \pm 10%

Physical Data

Model	A	B	C	D	E
RC1206	3.2 \pm 0.2	1.6 \pm 0.2	0.7 \pm 0.1	0.5 \pm 0.3	0.4 \pm 0.2

Ordering Data

Sample Part Number: **PCF** - **RC1206LF** - **330** **K** - **470** - **M**

Family
 Model
 RC1206LF
 Resistor Code
 Example: 330 = 33 Ω , 101 = 100 Ω
 Resistor Tolerance
 K=10%, M=20%
 Capacitor Code
 Example: 470 = 47pF, 101 = 100pF
 Capacitor Tolerance
 M = \pm 20%

Packaging Available: Tubes, Tape & Reel

General Note

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