Resistor/Capacitor Chip Network

TT electronics
IRC Advanced Film Division

PCF RC Series

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

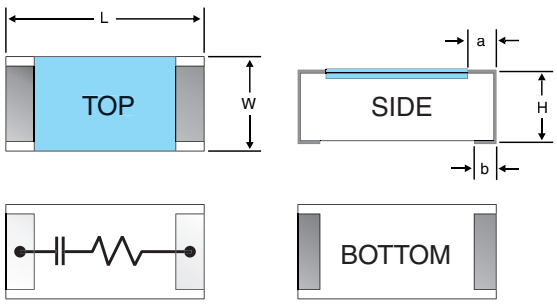
Electrical Data

	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 Coeffecient (-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 ±5°C for 10 ±1 sec.	Δ R: ± 3% Δ C: ±10%
Resistance To Vibration	(10~55~10 Hz) for 1 min. Amplitude 1.5mm 3 directions for 2 hours	Δ R: ± 3% Δ C: ±10%
Solerability	235°C ± 5°C for 3± 0.5 sec.	Δ R: ± 3% Δ C: ±10%
Temperature Cycling	-40°C/30 min., +125°C/ 30 min., 100 cycles	Δ R: ± 3% Δ C: ±10%
Terminal Strength	70°C ±2°C, DC50V "on" for 90 min. and "off" for 30 min. for 1,000 hours	Δ R: ± 3% Δ C: ±10%
Load Life In Humidity	70°C ±2°C, 90~95% RH DC50V "on" for 90 min. and "off" for 30 min. for 1,000hours	Δ R: ± 3% Δ C: ±10%

Physical Data



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

Ordering Data

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

Family

Model
RC1206LF

Resistor Code
Example: 330 = 33 , 101 = 100

Resistor Tolerance
K=10%, M=20%

Capacitor Code
Example: 470 = 47pF, 101 = 100pF

Capacitor Tolerance
M= ±20%

Packaging Available: Tubes, Tape & Reel

General Note
IRC reserves the right to make changes in product specification without notice or liability.
All information is subject to IRC's own data and is considered accurate at time of going to print.

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