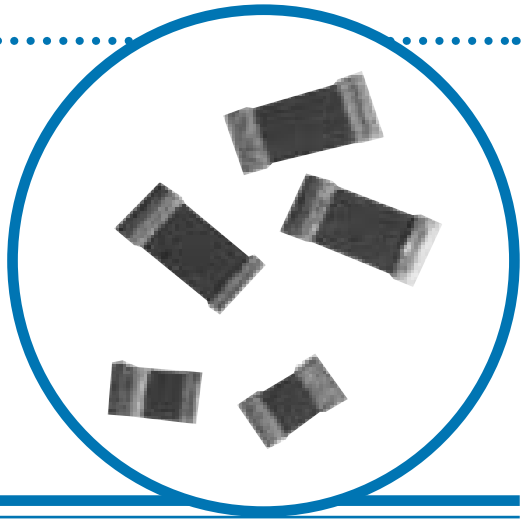
Resistor/Capacitor Chip Network

OBSOLETE

PCF RC Series

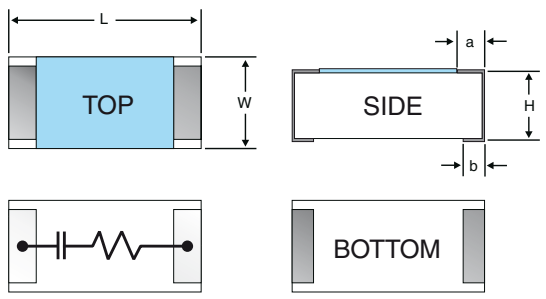
- **RoHS Compliant**
- **Saves board space**
- **Reduces component count**
- **Resistor and capacitor on one 1206 size chip**



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

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

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%
Solderability	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%

Ordering Data

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

Family

Model
RC1206LF

Resistor Code
Example: 330 = 33Ω, 101 = 100Ω

Resistor Tolerance
K=10%, M=20%

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

Capacitor Tolerance
M = ±20%

Packaging Available: Tubes, Tape & Reel

General Note

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

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