

RT0603P-331-M Datasheet



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| | |
|------------------------------|--|
| DiGi Electronics Part Number | RT0603P-331-M-DG |
| Manufacturer | Susumu |
| Manufacturer Product Number | RT0603P-331-M |
| Description | RES SMD 330 OHM 20% 1/20W 0201 |
| Detailed Description | 330 Ohms \pm 20% 0.05W, 1/20W Chip Resistor 0201 (0603 Metric) Thin Film |

This model RT0603P-331-M is available at DiGi Electronics.

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Purchase and inquiry

Manufacturer Product Number:

RT0603P-331-M

Series:

RT

Resistance:

330 Ohms

Power (Watts):

0.05W, 1/20W

Features:

-

Operating Temperature:

-55°C ~ 125°C

Supplier Device Package:

0201

Height - Seated (Max):

0.011" (0.28mm)

Failure Rate:

-

Manufacturer:

Susumu

Product Status:

Active

Tolerance:

±20%

Composition:

Thin Film

Temperature Coefficient:

±25ppm/°C

Package / Case:

0201 (0603 Metric)

Size / Dimension:

0.024" L x 0.012" W (0.60mm x 0.30mm)

Number of Terminations:

2

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

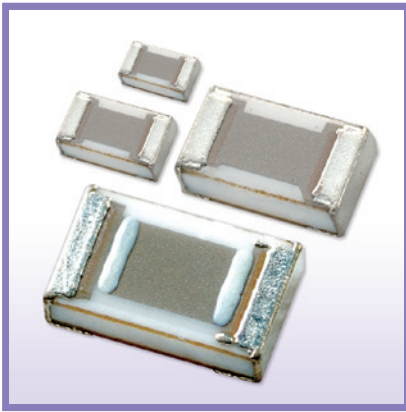
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Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99



Metal thin film trimmable chip resistors

■ RT series

AEC-Q200 Compliant

Features

- Patented trimming method (Patent# 1921853) guarantees precision trimming, post trimming stability and short trimming time.
- Available as small as 0.3mm x 0.6mm

Applications

- Sensor circuits that require accuracy (e.g. automotive electronics)
- PA module of mobile phone
- Devices that requires anti-vibration stability (e.g. microphone)

Thin film surface mount resistors

RT series



◆ Part numbering system

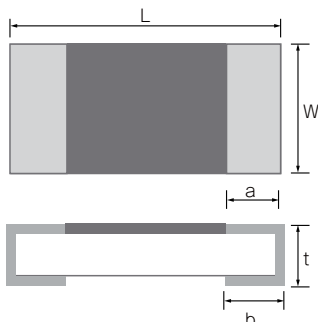
RT 0816 P - 102 - M

| | |
|---------------------------------------|--------------------------|
| Series code | Resistance tolerance |
| Size: RT0603, RT0510, RT0816, RT1220 | Nominal resistance value |
| Temperature coefficient of resistance | |

◆ Electrical Specification

| Type | Power ratings | Temperature coefficient of resistance (ppm/°C) | Initial resistance value (Ω) | | | | Initial resistance value tolerance (%) | Maximum voltage | Operating temperature | Packaging quantity |
|--------|---------------|---|--------------------------------|------|------|------|---|-----------------|-----------------------|--------------------|
| | | | Targetted resistance value (Ω) | | | | | | | |
| RT0603 | 1/20W | ±25(P) | 150 | 330 | - | - | ±20(M) | 15V | -55°C ~ 125°C | 15,000pcs |
| | | | 1.0k | 1.9k | - | - | | | | |
| | | ±100(R) | 1.5k | - | - | - | | | | |
| | | | 10k | - | - | - | | | | |
| RT0510 | 1/16W | ±25(P) | 100 | 270 | - | - | | 25V | | 10,000pcs |
| | | | 820 | 2.1k | - | - | | | | |
| | | ±100(R) | 1.5k | - | - | - | | | | |
| | | | 10k | - | - | - | | | | |
| RT0816 | 1/16W | ±25(P) | 100 | 330 | 1.0k | - | 75V | 5,000pcs | | |
| | | | 2.7k | 8.0k | 8.8k | - | | | | |
| | | ±100(R) | - | 3.3k | 10k | -- | | | | |
| | | | - | 37k | 40k | - | | | | |
| RT1220 | 1/10W | ±25(P) | 100 | 330 | 1.0k | - | 100V | 5,000pcs | | |
| | | | 8.2k | 15k | 15k | - | | | | |
| | | ±50(Q) | 33 | - | - | - | | | | |
| | | | 4.7k | - | - | - | | | | |
| | | | ±100(R) | 3.3k | 10k | 33k | | | 100k | |
| | | | | 100k | 120k | 120k | | | 220k | |

◆ Dimensions



| Type | Size (inch) | L | W | a | b | t |
|--------|-------------|-----------|-----------|-----------|-----------|-----------|
| RT0603 | 0201 | 0.60±0.05 | 0.30±0.03 | 0.12±0.05 | 0.15±0.05 | 0.25±0.03 |
| RT0510 | 0402 | 1.00±0.07 | 0.50±0.07 | 0.20±0.10 | 0.25±0.10 | 0.35±0.05 |
| RT0816 | 0603 | 1.60±0.20 | 0.80±0.20 | 0.30±0.20 | 0.30±0.20 | 0.40±0.10 |
| RT1220 | 0805 | 2.00±0.20 | 1.25±0.20 | 0.40±0.20 | 0.40±0.20 | 0.40±0.10 |

(unit : mm)

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