

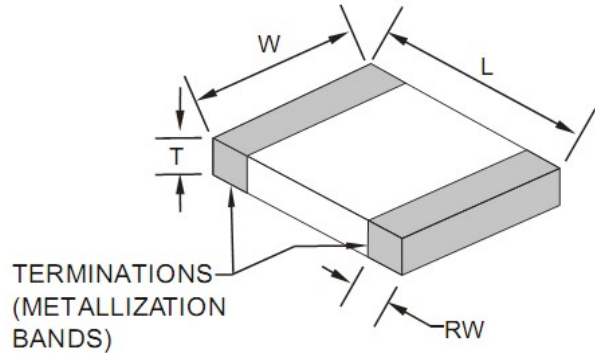


Technical Specification

Features

- Closed magnetic circuit structure allows high density mounting on a PCB board, mounting while preventing crosswalk.
- Extremely high reliability due to entirely monolithic construction.
- Low DC resistance structure of electronic to prevent wasteful electric power consumption.
- High current application rating look at range.

Dimensions



| Chip Dimensions | | Size Code | Size Dimension |
|-----------------|----------|-----------|----------------|
| | | 0603 | 1608 |
| L (mm) | W (mm) | T (mm) | RW (mm) |
| 1,6±0,15 | 0,8±0,15 | 0,8±0,15 | 0,3±0,2 |

Specifications / Test conditions

| | Min | Typ. | Max | Unit | Order Code |
|-------------------------------|------------------------|-----------------|-----|-----------|-------------|
| Impedance: (Z) | | 180 | | Ω | 181 |
| DC-Resistance: (RDC) | -- | 0,30 | -- | Ω | |
| Rated Current: (IDC) | -- | 300 | -- | mA | 301E |
| Operating Temperature: (°C) | -.55°C ~ +125°C | | | | |
| Tolerance: (%) | 25 | Tolerance Code: | | N | |
| Test-Conditions: (MHz) | 100 | Material Code: | | E | |

Typical Impedance v.s. Frequency Curve:

Circuit



IMPEDANCE (Ohm)

In the moment not available

FREQUENCY (Mhz)

| | | | | | | |
|---|------------------------|-------|-------|--------|-------|------------|
| Generell Signal Lines A Chip Beads | | | | | | |
| Serie No.: | G12027-181-301E | | | | | |
| Customer: | | | | | | |
| DRW: | Johnny | CHKD: | Carlo | Wor | DATE: | 19.02.2023 |
| APPD: | Elva | | | Vienna | Sheet | 1 from 2 |

Copyright by EDCON S.Tiede



Soldering Profile for Lead Soldering

Soldering Profile for Lead Free Soldering



Ordering Information

| Serie | Tolerance | Special | ROHS | Packing |
|-------|-----------|---------|------|---------|
|-------|-----------|---------|------|---------|

| | | | | |
|-----------------|---|---|---|----|
| G12027-181-301E | N | X | R | TR |
|-----------------|---|---|---|----|

| | | | |
|------------------|------------------------|--------------------|---------------|
| N= Tolerance 25% | X= No special function | R= ROHS conform | BU= Bulk Ware |
| | | N=NON ROHS conform | |

| Generell Signal Lines A Chip Beads | |
|------------------------------------|-----------------|
| Serie No.: | G12027-181-301E |
| Customer: | |

| | | | | | | | |
|-------|--------|------|-------|--|--------|-------|------------|
| DRW: | Johnny | CHKD | Carlo | | Wor | DATE | 19.02.2023 |
| APPD: | Elva | | | | Vienna | Sheet | 2 from 2 |

Copyright by EDCON S.Tiede