

CHIP EMI SUPPRESSION FILTERS

Features

1. Effective for suppressing noise in high speed digital signal line.
2. Realize small size chip type product by cofiring of dielectric material and ferrite material.
3. Terminal electrode has excellent solder heat resistance.

Applications

1. Noise suppression for digital electronic products.
2. RF module of telecommunication products.

Ordering Information

$\frac{EF}{(1)} - \frac{1}{(2)} \frac{T}{(3)} \frac{2012}{(4)} - \frac{050}{(5)} \frac{J}{(6)} \frac{T}{(7)}$

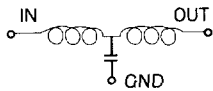
(1) Series

EF : Chip EMI filter

(2) Type

1 : Single

(3) Circuit



(4) Dimensions

The first two digits: length (mm)
The last two digits: width (mm)

(6) Termination

J : Nickel barrier

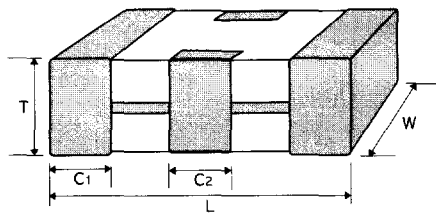
(5) Normal capacitance

The first two digits are significant.
The last digit is the number of zeros following.

(7) Packing

B : Bulk pack
T : Tape & Reel (\varnothing 178mm [7 inches])
L : Tape & Reel (\varnothing 254mm [10 inches])

Shape and Dimensions



unit: mm[inches]

| Type | L | W | T | C ₁ (max.) | C ₂ (max.) |
|------------|------------------------|-------------------------|------------------------|-----------------------|-----------------------|
| EF-□T2012- | 2.0±0.2 [.079±.008] | 1.25±0.2 [.049±.008] | 0.8±0.2 [.031±.008] | 0.4 [.016] | 0.5 [.020] |
| EF-□T3216- | 3.2±0.2 [.126±.008] | 1.6±0.2 [.063±.008] | 1.3±0.2 [.051±.008] | 0.7 [.028] | 0.8 [.031] |

Specifications

| Part No. | Capacitance | Cut-off | DC Resistance | Rated Current | Rated Voltage |
|---------------|-------------|------------|------------------|---------------|---------------|
| | pF | Freq.(MHZ) | (Ω)max. | (mA) max. | (VDC)max. |
| EF-1T□□□□-050 | 5 | 600 | 200 | 300 | 10 |
| EF-1T□□□□-080 | 8 | 350 | 200 | 300 | 10 |
| EF-1T□□□□-220 | 22 | 150 | 200 | 300 | 10 |
| EF-1T□□□□-330 | 33 | 100 | 200 | 300 | 10 |
| EF-1T□□□□-151 | 150 | 40 | 200 | 300 | 10 |
| EF-1T□□□□-221 | 220 | 25 | 200 | 300 | 10 |
| EF-1T□□□□-471 | 470 | 15 | 200 | 300 | 10 |

Electrical Characteristics(Typical)

