**Compact RFI Filter with IEC Connector for Higher Frequency Applications**

# EJT Series


EJT1


EJT8

**UL Recognized**
**CSA Certified**
**VDE Approved***

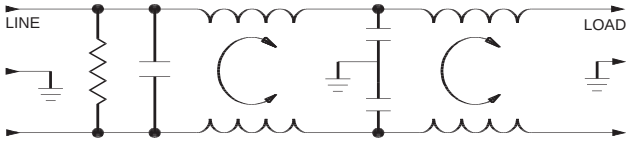
## EJT Series

The EJT Series is a power inlet filter designed to attenuate noise up to 1 GHz. This inlet uses an IEC 320/C14 input connector which gives it a maximum rating of 15 amps. The EJT series is flange-mounted with optional outputs of 1/4" terminals or wire leads. This product was designed to address the demand for more noise attenuation at higher frequencies in a compact inlet. Now also available with an IEC 320/C20 connector with a maximum rating of 20 amps.

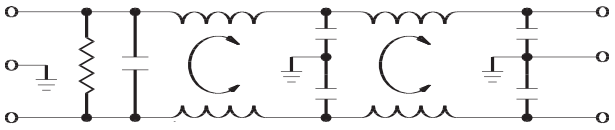
*15EJT - VDE rated at 10 amps, 250 VAC
20EJT - VDE rated at 16 amps, 250 VAC

## Electrical Schematics

### 1-15 Amp




### 20 Amp



Resistor location for reference only.

## Specifications

**Maximum leakage current,each line-to-ground**

| | 1-15 Amp | 20 Amp |
|---|---|---|
| @ 120 VAC 60 Hz: | .22 mA | .20 mA |
| @ 250 VAC 50 Hz: | .38 mA | .40 mA |

**Hipot rating (one minute):**

| | | |
|---|---|---|
| line-to-ground | 2250 VDC | 1500 VAC |
| line-to-line | 1450 VDC | 1450 VDC |

**Operating frequency:** 50/60 Hz

**Rated voltage (max.):** 250 VAC

**Minimum insertion loss in dB:**

Line-to-ground in 50 ohm circuit

| Current | Frequency-MHz | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Rating | .15 | .5 | 1 | 5 | 10 | 30 | 100 | 1000 |
| 1A | 27 | 33 | 40 | 59 | 65 | 65 | 61 | 14 |
| 3A | 22 | 30 | 34 | 57 | 63 | 69 | 61 | 10 |
| 6A | 13 | 21 | 27 | 51 | 60 | 65 | 59 | 14 |
| 10A | 7 | 14 | 21 | 43 | 52 | 61 | 61 | 14 |
| 15A | 4 | 10 | 15 | 38 | 48 | 63 | 63 | 14 |
| 20A | - | 8 | 15 | 42 | 50 | 60 | 58 | 14 |

Line-to-line in 50 ohm circuit

| Current | Frequency-MHz | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Rating | .15 | .5 | 1 | 5 | 10 | 30 | 100 | 1000 |
| 1A | 10 | 20 | 23 | 43 | 52 | 65 | 45 | 14 |
| 3A | 10 | 20 | 24 | 41 | 51 | 59 | 52 | 17 |
| 6A | 10 | 21 | 24 | 37 | 48 | 65 | 55 | 20 |
| 10A | 10 | 21 | 25 | 28 | 44 | 63 | 53 | 18 |
| 15A | 10 | 20 | 26 | 25 | 36 | 56 | 45 | 23 |
| 20A | 9 | 20 | 26 | 40 | 35 | 48 | 50 | 10 |



Catalog 1654001
Revised 05-07

Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA Cust. Svc.: 1-800-468-2023
CORCOM Prods: 1-847-680-7400
Germany: 49-89-6089-0

www.corcom.com
www.tycoelectronics.com

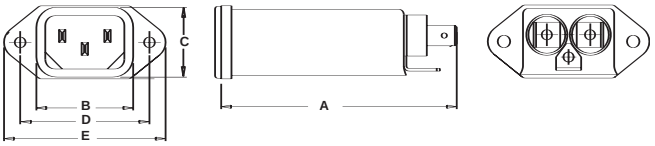
**Compact RFI Filter with IEC Connector for Higher Frequency Applications** (Continued)



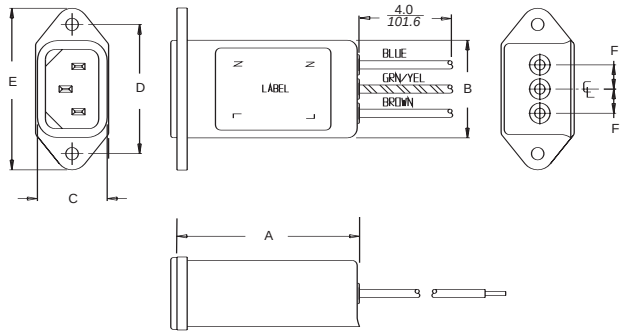
# EJT Series

## Case Styles

### EJT1

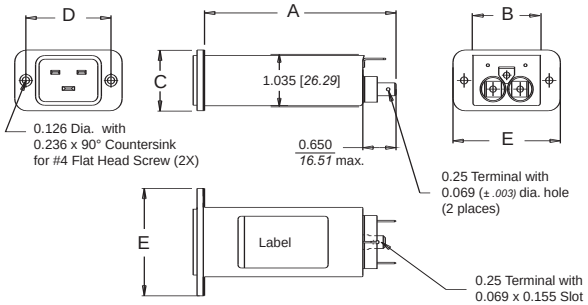



### EJT8

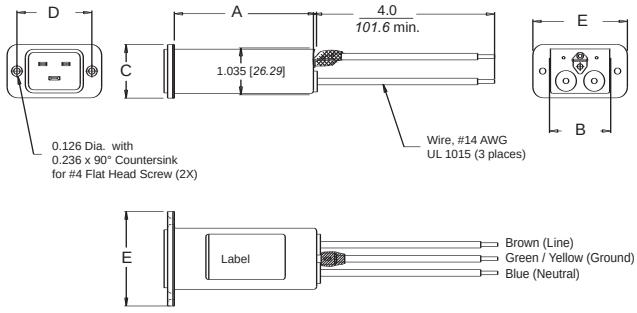



Typical dimensions:
Wire Leads: 4.0 [*101.6*] Min. - 18 AWG

### 20EJT1




### 20EJT8




## Case Dimensions

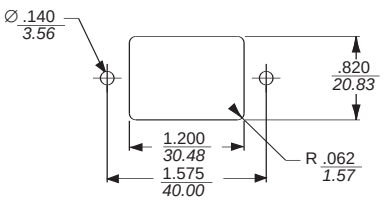
| Part No. | A (max) | B (max) | C (max) | D (max) | E (max) | F (max) |
|---|---|---|---|---|---|---|
| 1-15A EJT1 | **2.87** | **1.19** | **0.875** | **1.575** | **1.98** | — |
| | *72.9* | *30.2* | *22.2* | *40.0* | *50.3* | |
| 1-15A EJT8 | **2.23** | **1.19** | **0.875** | **1.575** | **1.98** | **0.295** |
| | *56.6* | *30.2* | *22.2* | *40.0* | *50.3* | *7.5* |
| 20EJT1 | **3.8** | **1.350** | **1.18** | **1.654** | **2.087** | — |
| | *96.52* | *34.29* | *29.99* | *42.01* | *53.00* | |
| 20EJT8 | **3.2** | **1.350** | **1.18** | **1.654** | **2.087** | — |
| | *81.28* | *34.29* | *29.99* | *42.01* | *53.00* | |

## Part Numbers

| | |
|---|---|
| 1EJT1 | 1EJT8 |
| 3EJT1 | 3EJT8 |
| 6EJT1 | 6EJT8 |
| 10EJT1 | 10EJT8 |
| 15EJT1 | 15EJT8 |
| 20EJT1 | 20EJT8 |
| Line Cord No. | GA400 |

## Recommended Panel Cutout

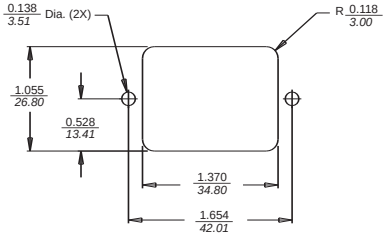
### 1 to 15 Amp




**Panel Cutout (front mount)**

Tolerance ±.005 [*0.13*]

### 20 Amp




**Panel Cutout (front mount)**

Tolerance ±.005 [*0.13*]



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