

# ENHANCED PERFORMANCE CORCOM EJT POWER INLET FILTER

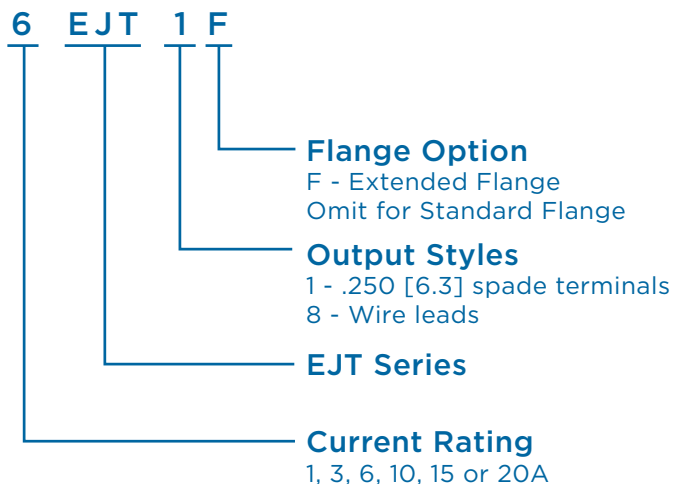
Extended flange offers superior performance up to 1 GHz



TE has improved the performance of the Corcom EJT Series IEC inlet filter for high frequency applications by extending the flange around the IEC320-C14 inlet to reduce the amount of radiated radio frequency (RF) through potential gaps around the installed filter.

TE's EJT series provides superior EMI filter performance up to 1GHz, where typical EMI filters are designed to perform to only 30MHz. The superior performance of the EJT series comes from a unique circuit design and an internal construction technique to attenuate frequencies above 30MHz.

## Ordering Information



## FEATURES

- High frequency performance
- IEC320-C14 inlet for universal application

## BENEFITS

- EMI protection for frequencies up to 1 GHz
- Higher insertion loss throughout the entire frequency range
- Extended flange design increases level of shielding

## APPLICATIONS

- Test Equipment
- Medical Diagnostics
- Communication Equipment

# EJT FLANGED EMI FILTER

The Corcom EJT Series offers superior performance above 100 MHz as plotted in orange on Graph 1. The new extended flange version of the EJT Series provides enhanced shielding performance with an improvement of 10dB by eliminating any gaps created from mounting the EMI filter through a panel cut-out.



Standard Flange

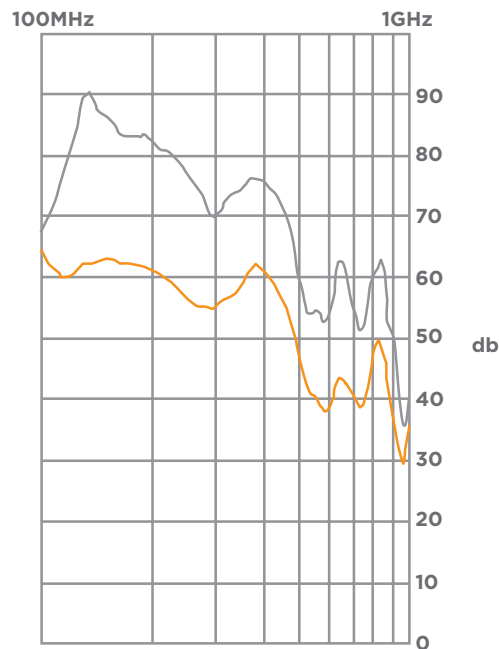
- 3EJT1 performance curve shown in Orange on **Graph 1**.
- Superior performance above 100MHz.



Extended Flange

- 3EJT1F performance curve shown in Gray on **Graph 1**.
- Enhanced shielding performance provides a minimum of 10dB greater attenuation.

## Graph 1: Insertion Loss



## Product Selection Information

| Standard Flange |             | Termination   | Extended Flange |             |
|-----------------|-------------|---------------|-----------------|-------------|
| 1EJT1           | 2-6609006-1 | Quick-Connect | 1EJT1F          | 4-1609157-1 |
| 3EJT1           | 2-6609006-2 | Quick-Connect | 3EJT1F          | 4-1609157-0 |
| 6EJT1           | 2-6609006-3 | Quick-Connect | 6EJT1F          | 4-1609157-2 |
| 10EJT1          | 2-6609006-4 | Quick-Connect | 10EJT1F         | 4-1609157-3 |
| 15EJT1          | 2-6609006-5 | Quick-Connect | 15EJT1F         | 4-1609157-4 |
| 1EJT8           | 2-6609006-6 | Wire Lead     | 1EJT8F          | 4-1609157-5 |
| 3EJT8           | 2-6609006-7 | Wire Lead     | 3EJT8F          | 4-1609157-6 |
| 6EJT8           | 2-6609006-8 | Wire Lead     | 6EJT8F          | 4-1609157-7 |
| 10EJT8          | 2-6609006-9 | Wire Lead     | 10EJT8F         | 4-1609157-8 |
| 15EJT8          | 3-6609006-0 | Wire Lead     | 15EJT8F         | 4-1609157-9 |



EJT Flanged EMI Filter

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