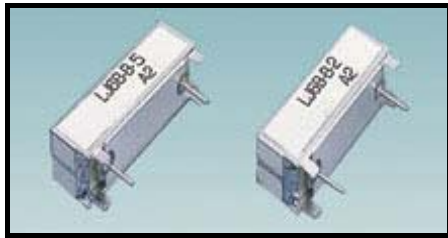


## Features

- Small and light size
- Low insertion loss for using high Q-value resonators
- Excellent temperature stability
- Excellent mechanical structure
- Good selectivity
- Suitable for reflow soldering

# LJ Series



## Electronic Characteristics

| Part Number | Center Freq. $f_o$ (MHz) | -1dB Bandwidth (MHz) | Insertion Loss (dB max) | Ripple in Pass Band (dB max) | VSWR max | Stop Band Attenuation (dB min) | Operation Temperature Range (°C) |
|-------------|--------------------------|----------------------|-------------------------|------------------------------|----------|--------------------------------|----------------------------------|
| LJ □ E30B-A | 800 ~ 1000               | $f_o \pm 15$         | 1.8                     | 0.5                          | 1.8      | 60 ( $f_o \pm 160$ )           | -55 ~ +85                        |
| LJ □ E40B-A | 1000 ~ 1200              | $f_o \pm 20$         | 1.8                     | 0.5                          | 1.8      | 60 ( $f_o \pm 160$ )           | -55 ~ +85                        |
| LJ □ E50B-A | 1200 ~ 1500              | $f_o \pm 25$         | 1.8                     | 0.5                          | 1.8      | 50 ( $f_o \pm 160$ )           | -55 ~ +85                        |
| LJ □ E60B-A | 1500 ~ 1800              | $f_o \pm 30$         | 1.8                     | 0.5                          | 1.8      | 50 ( $f_o \pm 160$ )           | -55 ~ +85                        |
| LJ □ E24B-B | 800 ~ 1000               | $f_o \pm 12$         | 2.0                     | 0.5                          | 1.8      | 60 ( $f_o \pm 120$ )           | -55 ~ +85                        |
| LJ □ E30B-B | 1000 ~ 1200              | $f_o \pm 15$         | 2.0                     | 0.5                          | 1.8      | 60 ( $f_o \pm 120$ )           | -55 ~ +85                        |
| LJ □ E35B-B | 1200 ~ 1500              | $f_o \pm 17.5$       | 2.0                     | 0.5                          | 1.8      | 50 ( $f_o \pm 120$ )           | -55 ~ +85                        |
| LJ □ E40B-B | 1500 ~ 1800              | $f_o \pm 20$         | 2.0                     | 0.5                          | 1.8      | 50 ( $f_o \pm 120$ )           | -55 ~ +85                        |
| LJ □ E15B-C | 800 ~ 1000               | $f_o \pm 7.5$        | 2.4                     | 0.5                          | 1.8      | 60 ( $f_o \pm 100$ )           | -55 ~ +85                        |
| LJ □ E20B-C | 1000 ~ 1200              | $f_o \pm 10$         | 2.4                     | 0.5                          | 1.8      | 60 ( $f_o \pm 100$ )           | -55 ~ +85                        |
| LJ □ E25B-C | 1200 ~ 1500              | $f_o \pm 12.5$       | 2.4                     | 0.5                          | 1.8      | 50 ( $f_o \pm 100$ )           | -55 ~ +85                        |
| LJ □ E30B-C | 1500 ~ 1800              | $f_o \pm 15$         | 2.4                     | 0.5                          | 1.8      | 50 ( $f_o \pm 100$ )           | -55 ~ +85                        |
| LJ □ E15B-D | 800 ~ 1000               | $f_o \pm 7.5$        | 3.0                     | 0.5                          | 1.8      | 70 ( $f_o \pm 100$ )           | -55 ~ +85                        |
| LJ □ E20B-D | 1000 ~ 1200              | $f_o \pm 10$         | 3.0                     | 0.5                          | 1.8      | 70 ( $f_o \pm 100$ )           | -55 ~ +85                        |
| LJ □ E25B-D | 1200 ~ 1500              | $f_o \pm 12.5$       | 3.0                     | 0.5                          | 1.8      | 60 ( $f_o \pm 100$ )           | -55 ~ +85                        |
| LJ □ E30B-D | 1500 ~ 1800              | $f_o \pm 15$         | 3.0                     | 0.5                          | 1.8      | 60 ( $f_o \pm 100$ )           | -55 ~ +85                        |

Note: Please consult VTC support for other frequencies and specifications that are not listed above.

## Method of Definition

**L J 1800 E 60 B - A**

- L : Dielectric Filter
- J : Dielectric material
- C : SMD type
- 1800 : Center frequency in MHz
- E : Dimensions
- 30 : Bandwidth in MHz
- B : Max. operating temperature
- A : Product series

## Outline Drawing

