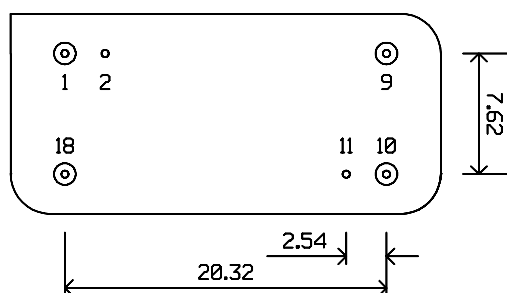
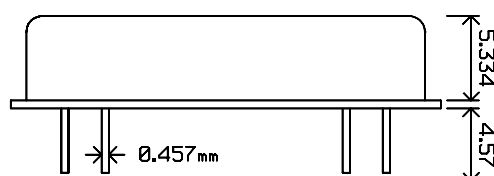
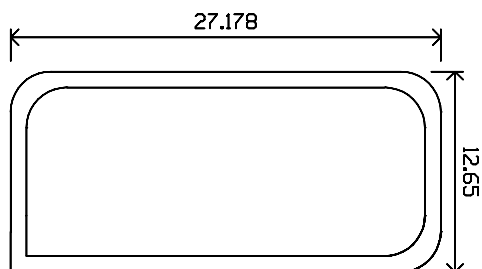


Magnitude 1 dB/div  
Group Delay 50 ns./div

| Parameter                           | Min.   | Typ.  | Max.  | Units.  |
|-------------------------------------|--------|-------|-------|---------|
| Center Frequency ( Fc) <sup>1</sup> | 139.9  | 140.0 | 140.1 | MHz     |
| Insertion Loss at Fc                |        | 20.7  | 23    | dB      |
| 1 dB Bandwidth                      | 0.47   | 0.57  |       | MHz     |
| 3 dB Bandwidth                      | 0.75   | 0.8   |       | MHz     |
| 40 dB Bandwidth                     |        | 1.6   | 1.8   | MHz     |
| Passband Ripple                     |        | 0.25  | 0.45  | dB p-p  |
| Phase Ripple                        |        | 2.5   | 4     | deg p-p |
| Group Delay Ripple                  |        | 80    | 240   | ns p-p  |
| Absolute Delay                      |        | 3.62  |       | us      |
| Ultimate Rejection                  | 50     | 60    |       | dB      |
| Substrate Material                  | Quartz |       |       |         |
| Source and Load Impedance           | 50     |       |       | Ω       |
| Ambient Temperature                 |        | 25    |       | ° C     |

1: Mean value of the 3 dB band edges.

## PACKAGE OUTLINE

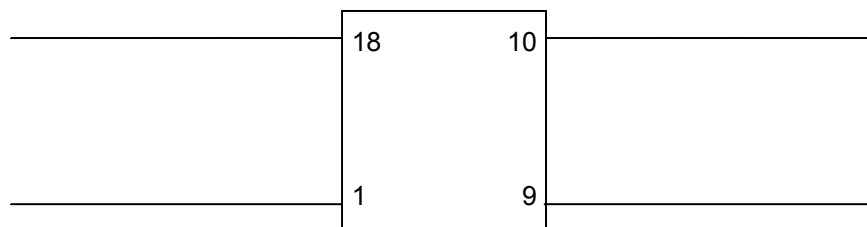


**Units:** mm

### Pin Configuration:

Input: 18  
 Input Return: 1  
 Output: 10  
 Output Return: 9  
 Ground: 2,11

## MATCHING CIRCUIT



No Matching required.

ISO 9001  
Registered