



PRELIMINARY SPECIFICATION

Part No.: TDRF3000B10MF

Customer: TACTRON(DESY)

Date: 2016.05.25

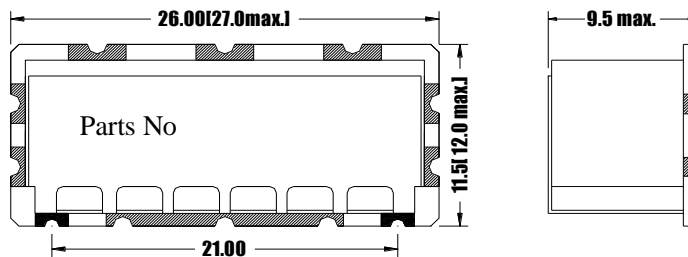
| Written by | Checked by | Approval |
|------------|------------|----------|
| | | |

ELECTRICAL SPECIFICATIONS

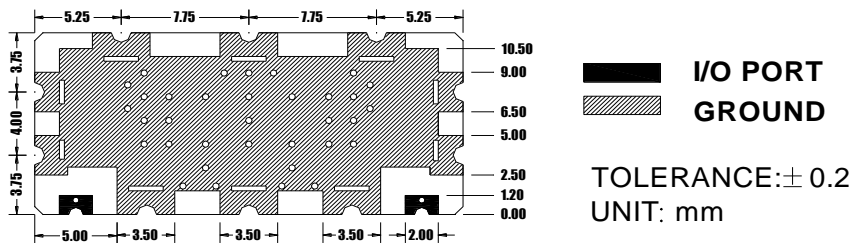
| ITEM | Specifications | UNIT |
|------|-----------------------------|--|
| 1 | Center freq | 3000 |
| 2 | Bandwidth [BW] | $f_0 \pm 5.0$ |
| 3 | Insertion Loss in BW | 3.0 |
| 4 | Ripple in BW | 0.8 |
| 5 | Return Loss in BW | |
| 6 | V S W R in BW | 1.5 |
| 7 | Attenuation | 50 dB min. @ $f_0 \pm 80M$ |
| 8 | Group Delay Variation | |
| 9 | Input Power | 3.0 |
| 10 | In/Out Impedance | 50Ω |
| 11 | Operation Temperature Range | -40°C to $+85^\circ\text{C}$ |

MECHANICAL SPECIFICATIONS

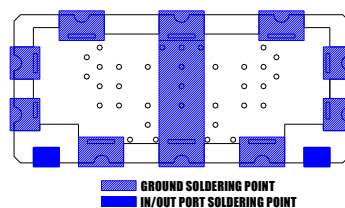
TOP VIEW



BOTTOM VIEW



RECOMMENDED PC BOARD PATTERN



PRELIMINARY SPECIFICATION



Part No.: TDR2000B300

Customer: Topcon Positioning Systems

Date: 2016.05.16

| Written by | Checked by | Approval |
|------------|------------|----------|
| | | |

ELECTRICAL SPECIFICATIONS

| ITEM | SPEC | UNIT |
|------|------------------------------|--|
| 1 | Center freq | 2000.0 |
| 2 | Bandwidth [1dB BW] | $f_0 \pm 150$ [1850.0~2150.0] |
| 3 | Insertion Loss in BW | 1.5 (in regular temp) |
| 4 | Ripple in BW | 0.6 |
| 5 | Return Loss in BW | |
| 6 | V S W R in BW | 1.5 |
| 7 | Attenuation (Absolute Value) | 20 dB min. @ $f_0 \pm 300$ [1700.0~2300.0] 40 dB min. @ $f_0 \pm 600$ [1400.0~2600.0] |
| 8 | Group Delay Variation | 6ns |
| 9 | Input Power | 3.0 |
| 10 | In/Out Impedance | 50Ω |
| 11 | Operation Temperature Range | -55°C to +85°C |

MECHANICAL SPECIFICATIONS

