



COMPUTER GENERATED DRAWING
MANUAL CHANGES NOT AUTHORIZED

| REVISIONS | | | |
|-----------|-------------------|----------|-------------|
| REV. | DESCRIPTION | DATE | RELEASED BY |
| NC | INITIAL RELEASE | 5-8-95 | BM |
| A | REV PER ECN: 5082 | 10-26-95 | BM |
| B | REV PER ECN: 6822 | 10-18-04 | SP |

SPECIFICATIONS:

| | |
|------------------|--|
| FREQUENCY RANGE: | 0.5 TO 18.0 GHz |
| INSERTION LOSS: | 0.5 TO 4.0 GHz 1.3 dB MAX 4.0 TO 12.0 GHz 1.8 dB MAX 12.0 TO 18.0 GHz 2.3 dB MAX |
| VSWR(50 OHM): | 1.8:1 MAX |
| ISOLATION: | .5 TO 12.0 GHz 60 dB MIN 12.0 TO 18.0 GHz 55 dB MIN |
| SWITCHING SPEED: | 75 NANO SECONDS |
| TEMPERATURE: | OPERATING -55°C TO +100°C STORAGE -65°C TO +125°C |
| CONTROL: | TTL LOW: INSERTION LOSS TTL HIGH: ISOLATION |
| DC BIAS: | +5V @ 75mA MAX. -15V @ 50mA MAX. |

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|---------------|----------------------|
| 603-0030-001 | DJD0518-001 |
| LIST OF MAT'L | USED ON |
| APPLICATION | DO NOT SCALE DRAWING |

| ITEM | QTY REQ'D | FSCM NO. | PART OR IDENTIFICATION NO. | NOMENCLATURE OR DESCRIPTION | MATERIAL SPECIFICATION |
|--|-----------|----------|----------------------------|---------------------------------|--|
| PARTS LIST | | | | | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX± .02 ± .XXX± .010 | | | CONTRACT NO. | SMT SIERRA MICROWAVE TECHNOLOGY | |
| MATERIAL: | | | APPROVALS | DATE | TITLE: OUTLINE FOR DJD0518-001 |
| FINISH: | | | DRAWN: BRIAN ST. CLAIR | 4-24-95 | |
| | | | CHECKED: | | |
| | | | DESIGN ENG. BM | 5-8-95 | |
| | | | MAT. & PROCESSES | | SIZE B FSCM NO. 1CY63 DWG NO. 605-0232-001 REV B |
| | | | Q.A. | | |
| | | | BRDR SCALE | | SHEET OF |