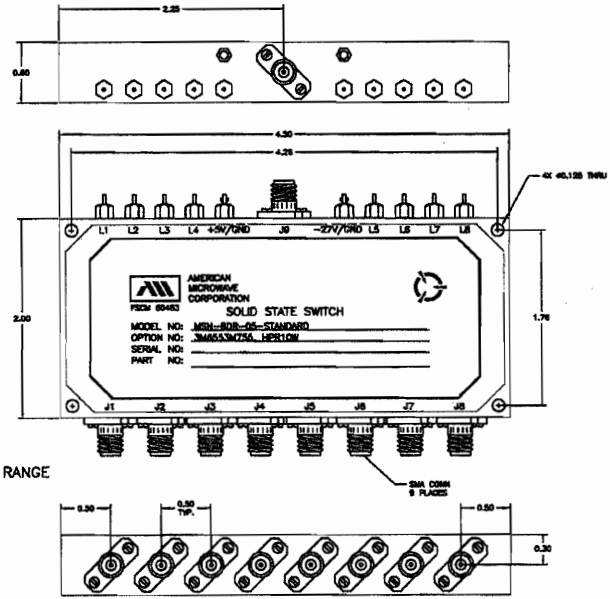
| REVISIONS | | | | |
|---|---|---|---|---|
| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
| | – | SEE ECR 07–066 | 05/03/07 | |

## DESCRIPTION

AMC MODEL MSN–8DR–05–STANDARD OPTION 3M6553M755, HPR10W IS A REFLECTIVE SP8T PIN DIODE SWITCH DESIGNED TO MEET THE 3,655 TO 3,775 MHz FREQUENCY RANGE WITH A 10 WATT POWER HANDLING.

## SPECIFICATIONS

- FREQUENCY RANGE: . . . 3,655 MHz TO 3,775 MHz
- INSERTION LOSS: . . . . . <2.5 dB
- ISOLATION: . . . . . >60 dB MINIMUM
- VSWR: . . . . . 1.3:1 MAXIMUM
- MAXIMUM INPUT POWER: . . 40 dBm
- PEAK POWER: . . . . . 46 dBm
- P1dB OUTPUT . . . . . >46 dBm
- SWITCHING TIME: . . . . . <2 uSEC
- MULTI PORT: . . . . . 8 PORT
- POWER CONSUMPTION: . . +5V(500 mA) & –27V(<10 mA)
- CONTROL: . . . . . TTL (HIGH: I/L, LOW: ISOLATION)
- ADDITIONAL FUNCTION: . . WITH ALL PORT OFF FUNCTION IF NECESSARY
- INTERFACE
  - RF: . . . . . SMA FEMALE
  - POWER & CONTROL: . . MOLEX 48153
- SIZE: . . . . . 140 X 70 X 21 (W X H X D)
- WEIGHT: . . . . . 1.5 OUNCE TYPICAL




## OPTIONS:

- 3M6553M755: . . . . . OPTIMIZED FOR 3,655 TO 3,775 MHz FREQUENCY RANGE
- HPR10W: . . . . . 10 WATTS POWER HANDLING

## ENVIRONMENTAL RATINGS:

- TEMPERATURE: . . . . . –20°C TO +60°C (OPERATING)
  –65°C TO +125°C (STORAGE)
- HUMIDITY: . . . . . MIL–STD–202F, METHOD 103B COND. B
- SHOCK: . . . . . MIL–STD–202F, METHOD 213B COND. B
- VIBRATION: . . . . . MIL–STD–202F, METHOD 204D COND. B
- ALTITUDE: . . . . . MIL–STD–202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: . . . MIL–STD–202F, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010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ISO 9001:2000 CERTIFIED


| APPROVALS | DATE |
|---|---|
| DRAWN WJCS | 05/03/07 |
| CHECKED RLLB | 05/03/07 |
| ISSUED YR | 5/3/07 |

TITLE: PRODUCT FEATURE
MSN–8DR–05–STANDARD
OPTIONS: 3M6553M755, HPR10W
SP8T PIN DIODE SWITCH

| SIZE | FSCM NO. | DWG NO. | REV. |
|---|---|---|---|
| A | 60483 | 100–M003–001 | – |

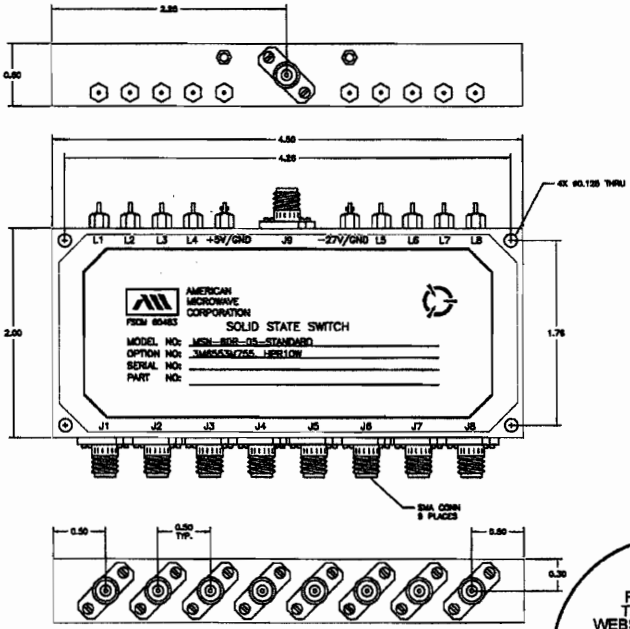
SCALE N:S SHEET 1 OF 2

| REVISIONS | | | | |
|---|---|---|---|---|
| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
| | – | SEE ECR 07-066 | 05/08/07 | |

## DESCRIPTION

AMC MODEL MSN-8DR-05-STANDARD OPTION 3M6553M755, HPR10W IS A REFLECTIVE SP8T PIN DIODE SWITCH DESIGNED TO MEET THE 3,655 TO 3,775 MHz FREQUENCY RANGE WITH A 10 WATT POWER HANDLING.

## MECHANICAL OUTLINE

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| APPROVALS | DATE | TITLE: MECHANICAL OUTLINE MSN-8DR-05-STANDARD OPTIONS: 3M6553M755, HPR10W SP8T PIN DIODE SWITCH | | | |
|---|---|---|---|---|---|
| DRAWN WMS | 05/08/07 | | | | |
| CHECKED | 5/3/07 | SIZE A | FSCM NO. 60483 | DWG NO. 100-M003-001 | REV. – |
| ISSUED YR | 5/3/07 | SCALE N:S | | SHEET 2 OF 2 | |