



SPECIFICATIONS

| Parameter | Value | Remarks |
|-----------------------|---------------------------------------|-----------------------|
| Frequency range | 5-8GHz | |
| Insertion loss | 1dB max | |
| Input / Output VSWR | 1.5:1 | |
| Impedance | 50 ohm | |
| Input CW power | 30W max | |
| Isolation | 35dB Typical | 30dB min |
| Switching time | 1.5uSec @ -30V | 3.5uSec @ -15V |
| Dimensions | 40 x 29.5 x 15.4 mm | Excluding Connectors |
| Operating temperature | -50°C to +85°C | |
| Power consumption | 5V = 50mA max -15V/-30V = 10mA max | |
| Control | 2 discrete input lines | 10KHz input impedance |

PINOUT

| Pin # | Name | Function |
|-------|------|---|
| 1 | +5V | Positive supply +5V 100mA max |
| 2 | -15V | Negative supply -15V |
| 3 | CMD | Switching command between port1 or port |
| 4,5 | GND | Connect 1 pin as a twisted pair with the CMD pin. Connect the 2nd pin as the supply voltages ground. |

| | | | | | | | | | | | |
|--|-----------|------|---------|----------------|--|---|--|----------------------|-----------|--|--------------|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS | | | | FINISH: Nickel | | A | | DO NOT SCALE DRAWING | | REVISION A | |
| SURFACE FINISH: | | | | | | | | | | MTI Engineering | |
| TOLERANCES: | | | | | | | | | | TITLE: | |
| LINEAR: | | | | | | | | | | SPDT50008000M30W-M-00 X- band RF SPDT ICD | |
| NAME | SIGNATURE | DATE | | | | | | | | | |
| DRAWN | ALEX Z. | A.Z. | 15.5.13 | | | | | | | | |
| CHK'D | ALEX Z. | A.Z. | 15.5.13 | | | | | | | | |
| APPV'D | OFIR G. | O.G. | 15.5.13 | | | | | | | | |
| MFG | | | | | | | | | | | |
| Q.A | | | | | | | | MATERIAL: | DWG NO. | 250001 | A3 |
| | | | | | | | | WEIGHT: | SCALE:2:1 | | SHEET 1 OF 1 |