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SPST REF SWITCH

AR-4255-SK

SPECIFICATIONS:

|  |                    |               |                   |              |
|--|--------------------|---------------|-------------------|--------------|
| * FREQUENCY RANGE: . . . . .                             |                    |               | <b>2.0 ÷ 18.0</b> | GHz          |
| * INSERTION LOSS: . . . . .                              | <b>2.0 ÷ 4.0</b>   | GHz . . . . . | <b>1.0</b>        | dB max.      |
|  | <b>4.0 ÷ 8.0</b>   | GHz . . . . . | <b>1.2</b>        | dB max.      |
|  | <b>8.0 ÷ 12.0</b>  | GHz . . . . . | <b>1.5</b>        | dB max.      |
|  | <b>12.0 ÷ 18.0</b> | GHz . . . . . | <b>2.0</b>        | dB max.      |
| * ISOLATION: . . . . .                                   | <b>2.0 ÷ 12.0</b>  | GHz . . . . . | <b>60</b>         | dB min.      |
|  | <b>12.0 ÷ 18.0</b> | GHz . . . . . | <b>55</b>         | dB min.      |
| 2. RF TO CONTROL . . . . .                               |                    |               |                   | dB min.      |
| 3. CONTROL TO RF {VIDEO LEAKAGE} : . . . . .             |                    |               |                   | mV p-p max   |
| * VSWR: . . . . .  | <b>2.0 ÷ 18.0</b>  |               | <b>1.7:1</b>      | max          |
| TTL CONTROL LOGIC:                                       |                    |               |                   |              |
| [ X ] INVERTING {0=I.L. 1=ISO.}                          |                    |               |                   |              |
| [ ] NON-INVERTING {0=ISO. 1=I.L.}                        |                    |               |                   |              |
| NO. OF CONTROL LINES FOR SPDT SWITCH [ ] ONE [ ] TWO     |                    |               |                   |              |
| * SWITCHING SPEED:                                       |                    |               |                   |              |
| 1. Ton - 50% TTL to 90% OF RF VOLTAGE . . . . .          |                    |               | <b>15</b>         | nSec max.    |
| 2. Toff - 50% TTL to 10% OF RF VOLTAGE . . . . .         |                    |               | <b>15</b>         | nSec max.    |
| * SWITCHING RATE:  |                    |               |                   |              |
| 1. PRF. . . . .  |                    |               | <b>5.0</b>        | MHz max.     |
| 2. PULSE WIDTH . . . . .                                 |                    |               |                   | nSec min.    |
| [ ] HOT SWITCHING [ ] COLD SWITCHING                     |                    |               |                   |              |
| * POWER HANDLING:  |                    |               |                   |              |
| 1. CW . . . . . at _____ DEG. C . . . . .                |                    |               | <b>1.0</b>        | W max.       |
| 2. PULSE . . . . . at _____ DEG. C . . . . .             |                    |               |                   | mW max.      |
| PULSE WIDTH . . . . .                                    |                    |               |                   | mm Sec. min. |
| DUTY CYCLE . . . . .                                     |                    |               |                   | %            |
| * HARMONICS: . . . . . at _____ mW POWER INPUT . . . . . |                    |               |                   | dBc          |
| * POWER SUPPLY: (WITH DRIVER)                            |                    |               |                   |              |
|  | <b>60</b>          | mA at         | <b>+5.0</b>       | VOLT         |
|  | <b>50</b>          | mA at         | <b>-15.0</b>      | VOLT         |
| * TEMPERATURE RANGE:                                     |                    |               |                   |              |
| STORAGE . . . . .  | <b>-60</b>         | DEG. C TO     | <b>+120</b>       | DEG. C       |
| OPERATING . . . . .                                      | <b>-54</b>         | DEG. C TO     | <b>+85</b>        | DEG. C       |

**NOTE:** 1 WATT SPST