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SPST REF SWITCH

AR-2260-SK

SPECIFICATIONS:

|  |                     |               |                        |              |
|--|---------------------|---------------|------------------------|--------------|
| * FREQUENCY RANGE: . . . . .                             |                     |               | <b><u>2.0÷18.0</u></b> | GHz          |
| * INSERTION LOSS: . . . . .                              | <b><u>2÷4</u></b>   | GHz . . . . . | <b><u>1.2</u></b>      | dB max.      |
|  | <b><u>4÷8</u></b>   | GHz . . . . . | <b><u>1.4</u></b>      | dB max.      |
|  | <b><u>8÷12</u></b>  | GHz . . . . . | <b><u>1.9</u></b>      | dB max.      |
|  | <b><u>12÷18</u></b> | GHz . . . . . | <b><u>2.4</u></b>      | dB max.      |
| * ISOLATION: . . . . .                                   | <b><u>2÷4</u></b>   | GHz . . . . . | <b><u>50</u></b>       | dB min.      |
|  | <b><u>4÷8</u></b>   | GHz . . . . . | <b><u>65</u></b>       | dB min.      |
|  | <b><u>8÷12</u></b>  | GHz . . . . . | <b><u>60</u></b>       | dB min.      |
|  | <b><u>12÷18</u></b> | GHz . . . . . | <b><u>60</u></b>       | dB min.      |
| 2. RF TO CONTROL . . . . .                               |                     |               |                        | dB min.      |
| 3. CONTROL TO RF {VIDEO LEAKAGE} : . . . . .             |                     |               |                        | mV p-p max   |
| * VSWR: . . . . .  | <b><u>2÷4</u></b>   | GHz . . . . . | <b><u>1.8:1</u></b>    | max          |
|  | <b><u>4÷12</u></b>  | GHz . . . . . | <b><u>1.9:1</u></b>    | max          |
|  | <b><u>12÷18</u></b> | GHz . . . . . | <b><u>2.0:1</u></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><u>15</u></b>       | nSec max.    |
| 2. Toff - 50% TTL to 10% OF RF VOLTAGE . . . . .         |                     |               | <b><u>15</u></b>       | nSec max.    |
| * SWITCHING RATE:  |                     |               |                        |              |
| 1. PRF . . . . .   |                     |               | <b><u>4.0</u></b>      | MHz max.     |
| 2. PULSE WIDTH . . . . .                                 |                     |               |                        | nSec min.    |
| [ ] HOT SWITCHING [ ] COLD SWITCHING                     |                     |               |                        |              |
| * POWER HANDLING:  |                     |               |                        |              |
| 1. CW . . . . . at _____ DEG. C . . . . .                |                     |               | <b><u>500</u></b>      | mW 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><u>50</u></b>    | mA at         | <b><u>+5.0</u></b>     | VOLT         |
|  | <b><u>40</u></b>    | mA at         | <b><u>-12.0</u></b>    | VOLT         |
| * TEMPERATURE RANGE:                                     |                     |               |                        |              |
| STORAGE . . . . .  | <b><u>-60</u></b>   | DEG. C TO     | <b><u>+120</u></b>     | DEG. C       |
| OPERATING . . . . .                                      | <b><u>-54</u></b>   | DEG. C TO     | <b><u>+85</u></b>      | DEG. C       |

NOTE: