

# U3 - U6 SERIES SP3T - SP6T DC - 12.4 GHz



|  |          |  |           |            |
|--|----------|--|-----------|------------|
| FREQUENCY: GHz   | DC - 2.0 | 2.0 - 4.0  | 4.0 - 8.0 | 8.0 - 12.4 |
| VSWR (MAX.)  | 1.20:1   | 1.30:1   | 1.40:1    | 1.50:1     |
| INSERTION LOSS   | 0.20     | 0.30   | 0.40      | 0.50       |
| ISOLATION  | 80       | 70   | 70        | 60         |
| IMPEDANCE  | 50 Ohms  |  |           |            |
| <b>MECHANICAL</b>                                      |          |  |           |            |
| CONTACT ACTUATOR SWITCHING SPEED                       | :        | BREAK BEFORE MAKE<br>FAILSAFE, LATCHING, MOMENTARY<br>20 mSEC MAX.   |           |            |
| <b>ELECTRICAL</b>                                      |          |  |           |            |
| ACTUATOR VOLTAGE<br>ACTUATOR CURRENT<br>POWER HANDLING | :        | 28.0, 12.0, 15.0, 24.0 Vdc<br>SEE TABLE ON PAGE 13<br>350 WCW @ 1.0 GHz (STANDARD)<br>950 WCW @ 1.0 GHz (OPT./P)   |           |            |
| <b>ENVIRONMENTAL</b>                                   |          |  |           |            |
| OPERATING TEMP   | :        | -40 DEG. C TO 90 DEG. C (STANDARD)<br>-54 DEG. C TO 90 DEG. C (OPT./MS) **   |           |            |
| SINE VIBRATION<br>RANDOM VIBRATION<br>LIFE             | :        | 30 G'S ms<br>20 G'S ms<br>1,000,000 CYCLES   |           |            |
| <b>FINISH</b>  |          |  |           |            |
| RF CAVITY<br>ENCLOSURE<br>CONTACT<br>CONNECTOR SHELL   | :        | ALUMINUM ELECTROLESS NICKEL PLATED<br>PER MIL-C-26074, CLASS 4<br>(EXCEPT LOW OR ULTRA LOW IM MODELS)<br>ALUMINUM, BLACK OR BLUE<br>BERYLLIUM COPPER, GOLD PLATED<br>PER MIL-G-45204<br>CRES, PASSIVATED PER QQ-P-35 OR BRASS,<br>ELECTROLESS NICKEL PLATED<br>PER MIL-C-26074 |           |            |
| <b>AVAILABLE OPTIONS</b>                               |          |  |           |            |
| INDICATOR CIRCUITRY<br>SUPPRESSION DIODE<br>TTL LOGIC  | :        | CUT OFF POWER CIRCUIT<br>MS CONNECTOR OR EQUIV. (MIL-SPEC)<br>D'SUB MINIATURE SERIES<br>LOW, ULTRA LOW, AND SUPERIOR INTERMODULATION (IM)  |           |            |

REFERENCE FOR DIMENSIONS ONLY  
AVAILABLE WITH SOLDER TERMINALS, D'SUB OR MS CONNECTOR

