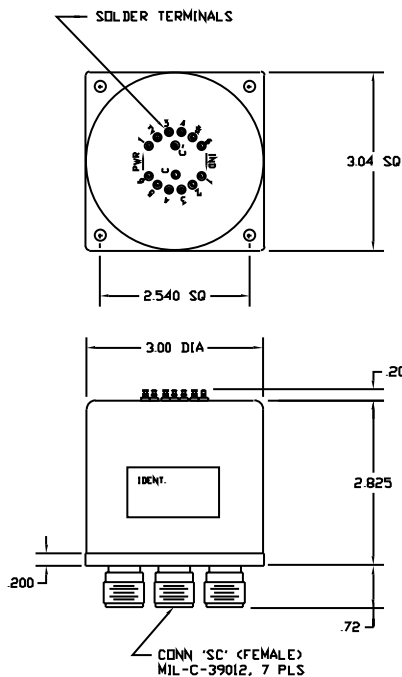


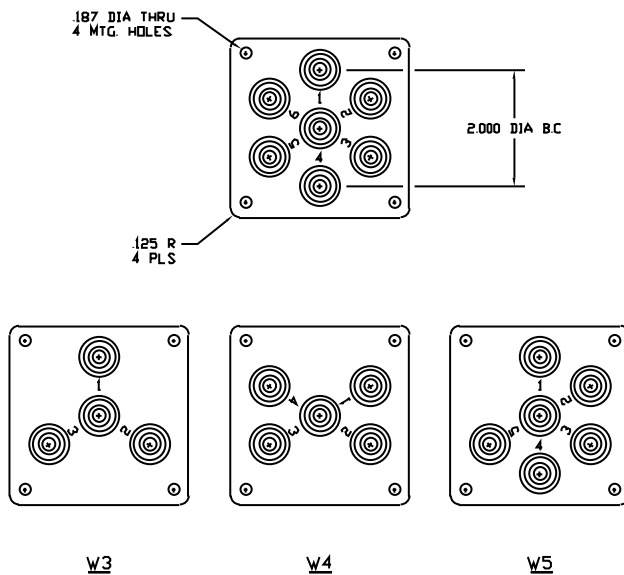
W3-W6 SERIES SP3T - SP6T DC - 6.0 GHz TYPE SC CONNECTORS VERY HIGH POWER



| | | | |
|------------------------------|----------|---|-----------|
| FREQUENCY: GHz | DC - 2.0 | 2.0 - 4.0 | 4.0 - 6.0 |
| VSWR (MAX.) | 1.25:1 | 1.35:1 | 1.50:1 |
| INSERTION LOSS (MAX.) | 0.25 | 0.35 | 0.50 |
| ISOLATION (MIN.) | 80 | 70 | 60 |
| IMPEDANCE | 50 Ohms | | |
| MECHANICAL | | | |
| CONTACT | : | BREAK BEFORE MAKE | |
| ACTUATOR | : | FAILSAFE, LATCHING, MOMENTARY | |
| SWITCHING SPEED | : | 20 mSEC MAX. | |
| ELECTRICAL | | | |
| ACTUATOR VOLTAGE | : | 28.0, 24.0, 15.0, 12.0 Vdc | |
| ACTUATOR CURRENT | : | CONTACT CEI | |
| POWER HANDLING | : | 1.75 KWCW @ 1.0 GHz | |
| ENVIRONMENTAL | | | |
| OPERATING TEMP | : | -40 DEG. C TO 80 DEG. C | |
| | : | -54 DEG. C TO 90 DEG. C (OPT. /MS) | |
| SHOCK | : | 50 G's (SAW-TOOTH) | |
| RANDOM VIBRATION | : | 15 G's rms (NON-OPERATING) | |
| LIFE | : | 1,000,000 CYCLES | |
| FINISH | | | |
| RF CAVITY | : | ALUMINUM ELECTROLESS NICKEL PLATED PER MIL-C-26074, CLASS 4 (EXCEPT LOW OR ULTRA LOW IM MODELS) | |
| ENCLOSURE | : | ALUMINUM, BLACK OR BLUE | |
| CONTACT | : | BERYLLIUM COPPER, GOLD PLATED PER MIL-G-45204 | |
| CONNECTOR SHELL | : | CRES, PASSIVATED PER QQ-P-35 OR BRASS, ELECTROLESS NICKEL PLATED PER MIL-C-26074 | |
| AVAILABLE OPTIONS | | | |
| INDICATOR CIRCUITRY | : | CUT OFF POWER CIRCUIT | |
| SUPPRESSION DIODE | : | D' SUB MINIATURE SERIES | |
| TTL LOGIC | : | MS CONNECTOR (MIL-SPEC) | |
| CUSTOM DESIGNS | : | LOW & ULTRA LOW PIM (IM) | |

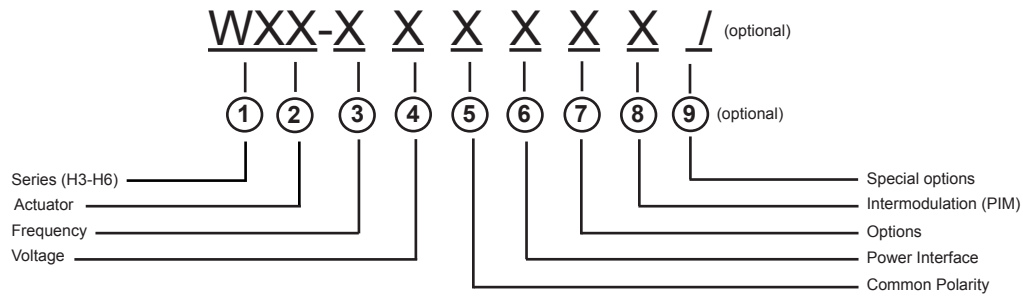


NOTE: REFERENCE FOR DIMENSIONS ONLY.
EACH MODEL NUMBER WILL HAVE A UNIQUE SCHEMATIC.
ALSO AVAILABLE WITH A D'SUB, MICRO D'SUB OR MS SERIES CONNECTOR.



W3-W6

W3-W6 SERIES PART NUMBER & ORDERING INFORMATION

**1 - Switch Series**

| | |
|----|--------------|
| W3 | SP3T TYPE SC |
| W4 | SP4T TYPE SC |
| W5 | SP5T TYPE SC |
| W6 | SP6T TYPE SC |

2 - Actuator

| | | | |
|---|---|---|--|
| F | FAILSAFE | R | MOMENTARY |
| G | FAILSAFE WITH SUPPRESSION DIODE | S | MOMENTARY WITH SUPPRESSION DIODE |
| H | FAILSAFE WITH INDICATOR | T | MOMENTARY WITH INDICATOR |
| J | FAILSAFE WITH SUPPRESSION DIODE AND INDICATOR | U | MOMENTARY WITH SUPPRESSION DIODE AND INDICATOR |
| L | LATCHING | Y | OTHER (SPECIFY) |
| M | LATCHING WITH SUPPRESSION DIODE | | |
| N | LATCHING WITH INDICATOR | | |
| P | LATCHING WITH SUPPRESSION DIODE AND INDICATOR | | |

3 - Frequency Bandwidth

| | |
|---|--------------|
| 2 | DC - 2.0 GHz |
| 4 | DC - 4.0 GHz |
| 6 | DC - 6.0 GHz |
| 0 | OTHER |

4 - Voltage

| | | | |
|---|----------------------------|---|----------------------------|
| 1 | 10 - 14 Vdc (12.0 NOMINAL) | 4 | 24 - 32 Vdc (28.0 NOMINAL) |
| 2 | 13 - 18 Vdc (15.0 NOMINAL) | 5 | OTHER |
| 3 | 20 - 30 Vdc (24.0 NOMINAL) | 0 | NOT REQUIRED |

5 - Common Polarity

| | |
|---|-----------------------------------|
| 1 | POSITIVE (+) COMMON |
| 2 | NEGATIVE (-) OR RETURN Vdc COMMON |
| 0 | NOT REQUIRED |

6 - Power Interface

| | | | |
|---|---|---|---|
| 1 | SOLDER TERMINAL (TOP OF SWITCH) | 5 | D' SUB MINIATURE SERIES (TOP OF SWITCH) |
| 3 | CONN MS3112E-XX-XXP OR EQUIV. (TOP OF SWITCH) | 8 | OTHER |

7 - Options

| | | | |
|---|---|---|---------------------------|
| 1 | CUT OFF POWER CIRCUIT (LATCHING ONLY) | 8 | OTHER (SPECIFY) |
| 2 | TTL LOGIC | 9 | CUSTOM (ORDER) |
| 3 | CUT OFF PWR CIRCUIT & TTL LOGIC (LATCHING ONLY) | 0 | NO OTHER OPTIONS REQUIRED |

8 - Intermodulation

| | | | |
|---|----------------------------------|---|-----------------------------------|
| 7 | LOW PASSIVE INTERMODULATION | 9 | ULTRA LOW PASSIVE INTERMODULATION |
| 8 | SUPERIOR PASSIVE INTERMODULATION | 0 | STANDARD SWITCH |

9 - Special Options (optional - leave blank if not required)

| | |
|-----|---|
| /MS | EXTENDED TEMP RANGE -54 DEG C TO + 90 DEG |
|-----|---|