

PRODUCT DATA DRAWING

CAD  
GENERATED  
DRAWING

DCN  
CONTROLLED  
DOCUMENT

DWG. NO.  
SF8018-6057

MATERIAL :

BODY &  
COUPLING NUT: STAINLESS STEEL PER AMS-5640

LOCK RING  
& CONTACT: BERYLLIUM COPPER PER ASTM B196

INSULATOR: PTFE PER ASTM D1710

GASKET: SILICONE RUBBER PER ZZ-R-765,  
CLASS IIB, GRADE 50/60

RESISTOR ELEMENT: ALUMINA SUBSTRATE WITH  
NICHROME RESISTOR

FINISH :

BODY: GOLD PER ASTM B488, TYPE II,  
GRADE C, CLASS .76; OVER NICKEL  
PER AMS-QQ-N-290, CLASS 1

COUPLING NUT: PASSIVATED PER AMS-QQ-P-35, TYPE II

CONTACT: GOLD PER ASTM B488, TYPE II,  
GRADE C, CLASS 1.52; OVER NICKEL  
PER AMS-QQ-N-290, CLASS 1

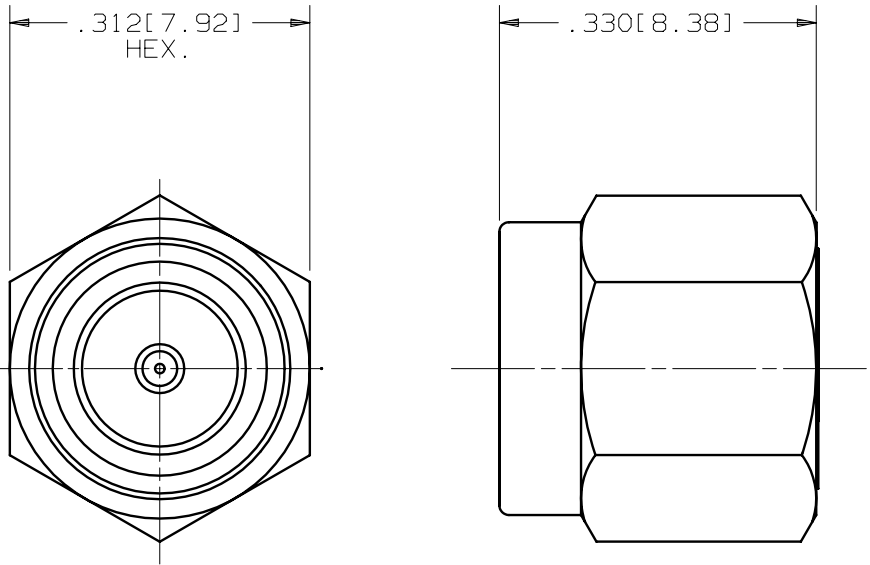
PERFORMANCE :

IMPEDANCE: 50 OHMS

FREQ. RANGE: DC TO 18.0 GHz

VSWR: 1.30:1 DC TO 18.0 GHz

OPERATING TEMP: -55°C TO +125°C



| SYM. | DESCRIPTION    | DATE  | APPR. | UNLESS OTHERWISE SPECIFIED:<br>1)ALL DIMENSIONS ARE AFTER PLATING.<br>2)BREAK CORNERS & EDGES .005 R.MAX.<br>3)CHAM. 1s1 & LAST THDS.<br>4)SURFACE ROUGHNESS 63 √ MIL-STD-10.<br>5)DIAS. ON COMMON CENTERS TO BE<br>CONCENTRIC WITHIN .005 T.I.R.<br>6)REMOVE ALL BURRS. | DIMENSIONS ARE IN INCHES<br>TOLERANCES: |            |           | TITLE:                                  |
|------|----------------|-------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------|-----------|-----------------------------------------|
| -    | REL. DCN 32745 | 02/05 | CCC   |                                                                                                                                                                                                                                                                          | DECIMALS                                | FRACTIONAL | ANGULAR   |                                         |
|      |                |       |       |                                                                                                                                                                                                                                                                          | .X ±.030                                |            | X° ±1°0′  |                                         |
|      |                |       |       |                                                                                                                                                                                                                                                                          | .XX ±.015                               | ±1/64      | X°X′ ±15′ | SMA PLUG<br>TERMINATION<br>DC TO 18 GHz |
|      |                |       |       |                                                                                                                                                                                                                                                                          | .XXX ±.005                              |            |           |                                         |
|      |                |       |       |                                                                                                                                                                                                                                                                          | MATERIAL: SEE ABOVE                     |            | □" AREA:  | DWG. NO.<br>SF8018-6057                 |
|      |                |       |       | DRAWN: MGT 02/24/05                                                                                                                                                                                                                                                      | FINISH: SEE ABOVE                       |            | N/A       |                                         |
|      |                |       |       | CHECKED: CCC 02/24/05                                                                                                                                                                                                                                                    | SIZE                                    | CAGE NO.   | SCALE     |                                         |
|      |                |       |       | APPROVED: CCC 02/24/05                                                                                                                                                                                                                                                   | B                                       | 95077      | 5X        |                                         |

# Mouser Electronics

Authorized Distributor

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