

|                      |  |                                                                                          |  |                  |                 |       |          |
|----------------------|--|------------------------------------------------------------------------------------------|--|------------------|-----------------|-------|----------|
| ROHS COMPLIANT       |  | PRODUCT DATA DRAWING                                                                     |  | REVISION HISTORY |                 |       |          |
|                      |  |                                                                                          |  | REV              | DESCRIPTION     | DATE  | APPROVED |
|                      |  |                                                                                          |  | -                | REL.DCN F-11656 | 10/89 | RG       |
|                      |  |                                                                                          |  | A                | REV.DCN 32745   | 02/05 | CCC      |
|                      |  |                                                                                          |  | B                | DCN 38280       | 06/11 | STW      |
|                      |  |                                                                                          |  |                  |                 |       |          |
| MATERIAL:            |  |                                                                                          |  |                  |                 |       |          |
| BODY & COUPLING NUT: |  | STAINLESS STEEL PER AMS-5640, ALLOY UNS S30300, TYPE 1                                   |  |                  |                 |       |          |
| LOCK RING & CONTACT: |  | BERYLLIUM COPPER PER ASTM B196                                                           |  |                  |                 |       |          |
| INSULATOR:           |  | PTFE PER ASTM D1710, TYPE I, GRADE 1, CLASS B                                            |  |                  |                 |       |          |
| GASKET:              |  | SILICONE RUBBER PER ZZ-R-765, CLASS 2B, GRADE 50/60                                      |  |                  |                 |       |          |
| RESISTOR ELEMENT:    |  | ALUMINA SUBSTRATE WITH NICHROME RESISTOR                                                 |  |                  |                 |       |          |
| FINISH:              |  |                                                                                          |  |                  |                 |       |          |
| BODY:                |  | GOLD PER ASTM B 488, TYPE I, GRADE C, CLASS 1.27, OVER NICKEL PER AMS-QQ-N-290, CLASS 1  |  |                  |                 |       |          |
| COUPLING NUT:        |  | PASSIVATED PER AMS-QQ-P-35, TYPE II                                                      |  |                  |                 |       |          |
| CONTACT:             |  | GOLD PER ASTM B 488, 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:                |  | 1.10:1 DC TO 18.0 GHz                                                                    |  |                  |                 |       |          |
| OPERATING TEMP.:     |  | -55°C TO +125°C                                                                          |  |                  |                 |       |          |
| AVG. POWER:          |  | 1 WATT (POWER INPUT DERATED LINEARLY FROM 25°C TO .25 WATTS AT 125 °C)                   |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |
|                      |  |                                                                                          |  |                  |                 |       |          |