

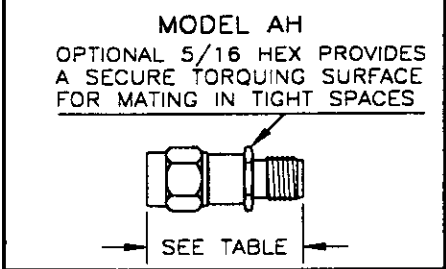
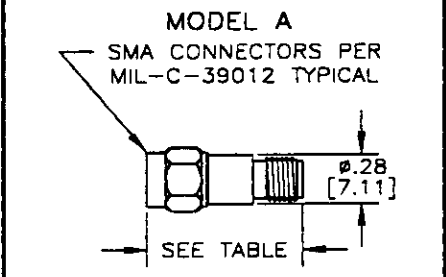
PROPRIETARY NOTICE
 THE INFORMATION CONTAINED
 IN THIS DRAWING IS PROPRIETARY
 AND SHALL NOT BE USED OR
 DISCLOSED WITHOUT THE PRIOR
 WRITTEN PERMISSION OF INMET
 CORPORATION

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| LTR | DESCRIPTION | DATE | APPROVED |
| C | 95 RELEASE | 25JUL94 | |

SPECIFICATIONS:
MODEL A/AH ATTENUATORS

FREQUENCY RANGE _____ DC TO 18GHz
 AVAILABLE VALUES _____ 0 THROUGH 30dB
 ACCURACY OF ATTENUATION:
 0 THROUGH 6dB _____ ±0.3dB MAXIMUM
 7 THROUGH 20dB _____ ±0.5dB MAXIMUM
 21 THROUGH 30dB _____ ±0.75dB MAXIMUM
 VSWR:
 DC TO 4GHz _____ 1.15:1 MAXIMUM
 4GHz TO 8GHz _____ 1.20:1 MAXIMUM
 8GHz TO 12.4GHz _____ 1.25:1 MAXIMUM
 12.4GHz TO 18GHz _____ 1.35:1 MAXIMUM
 INPUT POWER _____ 2 WATTS AVERAGE AT 25°C
 DERATED LINEARLY TO
 0.5 WATTS AT 125°C
 PEAK POWER _____ 250 WATTS MAXIMUM
 (5μSEC PULSE, .05% DUTY CYCLE)
 IMPEDANCE _____ 50 OHMS
 OPERATING TEMP. RANGE _____ -65°C TO +125°C
 MATERIALS:
 CONNECTORS _____ PASSIVATED STAINLESS STEEL
 CONDUCTORS _____ Au PLATED BERYLLIUM COPPER

THESE UNITS ARE NORMALLY SOLD IN FREQUENCY RANGES OF DC TO 6GHz, DC TO 12.4GHz AND DC TO 18GHz. UNITS WHICH OPERATE OVER A MORE SPECIFIC BAND, OR WITH VERY LOW RETURN LOSS (VSWR) ARE ALSO AVAILABLE. IN ADDITION, UNITS WITH GOLD PLATED CONNECTORS AND/OR CONNECTORS OPTIMIZED FOR Rf LEAKAGE, ARE AVAILABLE ON SPECIAL ORDER. CONTACT YOUR REPRESENTATIVE OR INMET CORPORATION. DIMENSIONS IN BRACKETS ARE EXPRESSED IN MILLIMETERS AND ARE FOR REFERENCE ONLY. WEIGHTS ARE EXPRESSED IN GRAMS AND ARE MAXIMUM.



ORDERING INFORMATION:
 WHEN ORDERING, INSERT THE DESIRED FREQUENCY, dB VALUE, CONNECTOR CONFIGURATION AND HEX OPTION CODE (IF REQ'D) INTO THE MODEL NUMBER

EXAMPLES:
 MODEL 6AH-10=DC TO 6GHz
 HEX STYLE 10dB MALE/FEM
 MODEL 12A-6 M=DC TO 12.4GHz
 NON-HEX STYLE 6dB MALE/MALE
 MODEL 18A-3 F=DC TO 18GHz
 NON-HEX STYLE 3dB FEM/FEM

PACKAGE DESCRIPTION TABLE

| CONN. CONFIG. | WEIGHTS | | | | OVERALL LENGTH | | | | REFERENCE PLANE | | | |
|---------------|---------|-------|----------|-------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------|--|-----------|--|
| | MODEL A | | MODEL AH | | 0 - 12dB | | 13 - 30dB | | 0 - 12dB | | 13 - 30dB | |
| | 0-12 | 13-30 | 0-12 | 13-30 | | | | | | | | |
| MALE/FEMALE | 4.6 | 5.5 | 4.7 | 5.6 | .855 ±.020 [21.72 ±0.51] | .985 ±.020 [25.02 ±0.51] | .672 ±.010 [17.07 ±0.25] | .803 ±.010 [20.40 ±0.25] | | | | |
| MALE/MALE | 6.2 | 7.0 | 6.3 | 7.1 | .980 ±.025 [24.89 ±0.64] | 1.110 ±.025 [28.19 ±0.64] | .760 ±.010 [19.30 ±0.25] | .890 ±.010 [22.61 ±0.25] | | | | |
| FEMALE/FEMALE | 3.6 | 4.4 | 3.8 | 4.6 | .865 ±.015 [21.97 ±0.38] | 1.000 ±.015 [25.40 ±0.38] | .715 ±.010 [18.16 ±0.25] | .845 ±.010 [21.46 ±0.25] | | | | |

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|-----------------------|------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|
| REV. STATUS OF SHEETS | REV. | C | | | | | | | | | | | | | | | | | |
| | SHT. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |

| | | | | | | | |
|--|--------------|--------------------|-----------------|---------------|-------------------|--|--|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES | | CONTRACT NO. | | | | 300 DINO DRIVE ANN ARBOR, MI 48103 TELEPHONE (313) 426-5553 FACSIMILE (313) 426-5557 | |
| DECIMAL .XX ± .01 .XXX ± .005 DO NOT SCALE DRAWING | ANGULAR ± | DRAWN Ed McCabe | DATE 27AUG87 | | | TITLE: OUTLINE DRAWING; ATTENUATORS, COAXIAL, FIXED, SMA CONNECTORS, DC TO 18GHz, 0 THROUGH 30dB, MICROMINIATURE MODEL A/AH SERIES | |
| MATERIAL: | DESIGN | DESIGN ACTIVITY | | SIZE A | FSCM NO. 64671 | DWG. NO. 401-0010 | |
| SIMILAR TO | WEIGHT (gr) | CUSTOMER | | SCALE NONE | RELEASE DATE | SHEET 1 OF 1 | |