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

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
D	95 RELEASE	26JUL94	

SPECIFICATIONS:

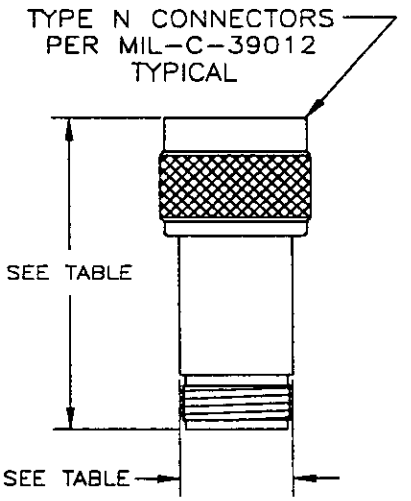
MODEL N ATTENUATORS

FREQUENCY RANGE ____ DC TO 18GHz
AVAILABLE VALUES ____ 0 THROUGH 60dB
ACCURACY OF ATTENUATION:
- 0 THROUGH 6dB ____ ±0.3dB MAXIMUM
- 7 THROUGH 20dB ____ ±0.5dB MAXIMUM
- 21 THROUGH 30dB ____ ±0.75dB MAXIMUM
- 31 THROUGH 60dB ____ ±1.50dB 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 (5uSEC 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 NICKEL PLATED BRASS CONNECTOR BODIES ARE ALSO AVAILABLE. 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 AND CONNECTOR CONFIGURATION INTO THE MODEL NUMBER

EXAMPLES:

MODEL 6N-10=DC TO 6GHz 10dB MALE/FEM
MODEL 12N-6 M=DC TO 12.4GHz 6dB MALE/MALE
MODEL 18N-3 F=DC TO 18GHz 3dB FEM/FEM

PACKAGE DESCRIPTION TABLE

CONN. CONFIG.	WEIGHTS 0-30	WEIGHTS 31-60	DIA	OVERALL LENGTH 0 - 30dB	OVERALL LENGTH 31 - 60dB	REFERENCE PLANE 0 - 30dB	REFERENCE PLANE 31 - 60dB
MALE/ FEMALE	64.8	76.3	ø.62 [15.75]	1.760 ±.030 [44.70 ±0.76]	2.040 ±.030 [51.82 ±0.76]	1.390 ±.010 [35.31 ±0.25]	1.675 ±.015 [42.55 ±0.38]
MALE/ MALE	68.9	77.6	ø.56 [14.22]	1.820 ±.030 [46.23 ±0.76]	2.110 ±.030 [53.59 ±0.76]	1.770 ±.015 [44.96 ±0.38]	2.060 ±.010 [52.32 ±0.25]
FEMALE/ FEMALE	55.8	64.5	ø.56 [14.22]	1.985 ±.020 [50.42 ±0.51]	2.275 ±.015 [57.79 ±0.38]	1.265 ±.015 [32.13 ±0.38]	1.555 ±.010 [39.50 ±0.25]

REV. STATUS OF SHEETS																				
REV.	D																			
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
DECIMAL .XX ± .01 .XXX ± .005
ANGULAR ±
DO NOT SCALE DRAWING

MATERIAL:
FINISH
SIMILAR TO | WEIGHT (gr)

CONTRACT NO.

	DRAWN	DATE
	Ed McCabe	06NOV87
CHECKED		
DESIGN		
DESIGN ACTIVITY		
CUSTOMER		

CORPORATION
300 DINO DRIVE
ANN ARBOR, MI 48103
TELEPHONE (313) 426-5553
FACSIMILE (313) 426-5557

TITLE: OUTLINE DRAWING; ATTENUATORS, COAXIAL, FIXED, TYPE N CONNECTORS, DC TO 18GHz, 0 THROUGH 60dB, MINIATURE MODEL N SERIES

SIZE	FSCM NO.	DWG. NO.
A	64671	401-0670

SCALE NONE | RELEASE DATE | SHEET 1 OF 1