

PROPRIETARY NOTICE
 THE INFORMATION CONTAINED
 THIS DRAWING IS PROPRIETARY
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 CORPORATION

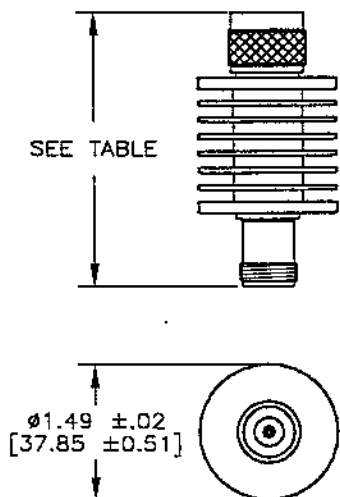
REVISIONS

| LTR | DESCRIPTION | DATE | DCN NO. |
|-----|-------------|---------|---------|
| | NEW DRAWING | 5/21/96 | NONE |

**SPECIFICATIONS:
 20 WATT ATTENUATORS**

TYPE N MALE/FEMALE SHOWN

FREQUENCY RANGE _____ DC TO 18GHz
 AVAILABLE VALUES _____ 3/6/10/20/30/40dB
 ACCURACY: DC-6GHz 6-12.4GHz 12.4-18GHz
 3/6dB _____ ±0.3dB _____ ±0.5dB _____ ±0.75dB
 10/20dB _____ ±0.5dB _____ ±0.75dB _____ ±1.0dB
 30/40dB _____ ±0.75dB _____ ±1.0dB _____ ±1.5dB
 VSWR:
 DC TO 6GHz _____ 1.20:1 MAXIMUM
 6GHz TO 12.4GHz _____ 1.30:1 MAXIMUM
 12.4GHz TO 18GHz _____ 1.40:1 MAXIMUM
 INPUT POWER _____ 20 WATTS AVERAGE AT 25°C
 DERATED LINEARLY TO
 4 WATTS AT 125°C
 PEAK POWER _____ 500 WATTS MAXIMUM
 (5µSEC PULSE, .05% DUTY CYCLE)
 IMPEDANCE _____ 50 OHMS
 OPERATING TEMP. RANGE _____ -65°C TO +125°C
 MATERIALS:
 HOUSING _____ ANODIZED ALUMINUM
 CONNECTORS _____ PASSIVATED STAINLESS STEEL
 CONDUCTORS _____ Au PLATED BERYLLIUM COPPER




SMA AND TYPE N CONNECTORS PRODUCED IAW MIL-C-39012. TNC CONNECTORS ARE 18GHz MODE-FREE. THESE UNITS ARE NORMALLY SOLD IN FREQUENCY RANGES OF DC-6GHz, DC-12.4GHz AND DC-18GHz. UNITS WHICH OPERATE OVER A MORE SPECIFIC BAND, AS WELL AS UNITS WHICH OFFER VERY LOW RETURN LOSS (VSWR) OVER A SPECIFIC OR ENTIRE FREQUENCY RANGE, ARE ALSO AVAILABLE. CONTACT YOUR REPRESENTATIVE OR INMET CORPORATION.

WHEN ORDERING, INSERT THE APPROPRIATE CHARACTERS TO DESIGNATE ONE OF THE THREE UPPER FREQUENCY LIMITS COMMONLY AVAILABLE (6/12.4/18GHz), THE CONNECTOR SERIES AND SEX (SMA, TYPE N OR TNC - MALE OR FEMALE), AND THE -dB VALUE, AS SHOWN IN THE EXAMPLES BELOW.

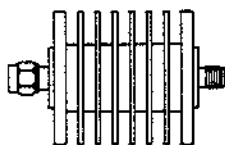
ORDERING EXAMPLES:

- B = SMA N = TYPE N T = TNC M = MALE/MALE F = FEMALE/FEMALE
 MODEL 6B20W-10dB = DC TO 6GHz, SMA MALE/FEMALE, 10dB
 MODEL 12N20W-20M = DC TO 12.4GHz, TYPE N MALE/MALE, 20dB
 MODEL 18T20W-3F = DC TO 18GHz, TNC FEMALE/FEMALE, 3dB

| | | | | | | |
|--|--------------|--------------------|-----------------|--|-------------------|----------------------|
| 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 | ANGULAR ± | DRAWN E. McCabe | DATE 5/21/96 | | | |
| DO NOT SCALE DRAWING | | CHECKED | | TITLE: OUTLINE DRAWING; ATTENUATORS, COAXIAL, FIXED, SMA/N/TNC CONNECTORS, DC TO 18GHz, 20 WATTS, SELECTED VALUES, MODEL XXX20W-XXdB SERIES | | |
| MATERIAL: | | ENGINEERING | | | | |
| FINISH | | QUAL. ASSURANCE | | SIZE A | FSCM NO. 64671 | DWG. NO. 401-1810 |
| SIMILAR TO | WEIGHT (gr) | MARKETING | | SCALE NONE | RELEASE DATE | SHEET 1 OF 2 |

REVISIONS

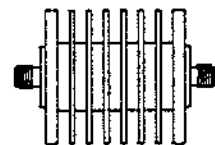
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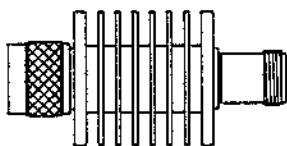
MODEL XXB20W-XXdB
SMA MALE/FEMALE



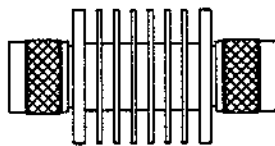
MODEL XXB20W-XXM
SMA MALE/MALE



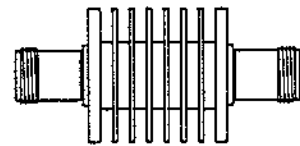
MODEL XXB20W-XXF
SMA FEMALE/FEMALE



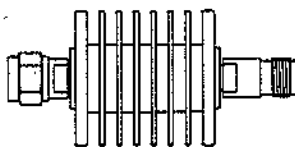
MODEL XXN20W-XXdB
TYPE N MALE/FEMALE



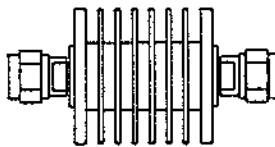
MODEL XXN20W-XXM
TYPE N MALE/MALE



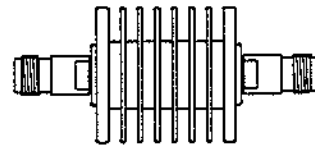
MODEL XXN20W-XXF
TYPE N FEMALE/FEMALE



MODEL XXT20W-XXdB
TNC MALE/FEMALE



MODEL XXT20W-XXM
TNC MALE/MALE



MODEL XXT20W-XXF
TNC FEMALE/FEMALE

PACKAGE DESCRIPTION TABLE

| INMET CORP. MODEL NUMBER | CONNECTOR CONFIGURATION | OVERALL LENGTH | |
|-----------------------------|----------------------------|----------------|---------------|
| | | INCHES | MILLIMETERS |
| XXB20W-XXdB | SMA MALE/FEMALE | 2.33 ±0.04 | [59.18 ±1.02] |
| XXB20W-XXM | SMA MALE/MALE | 2.46 ±0.05 | [62.48 ±1.27] |
| XXB20W-XXF | SMA FEMALE/FEMALE | 2.20 ±0.03 | [55.88 ±0.76] |
| XXN20W-XXdB | N MALE/FEMALE | 3.04 ±0.04 | [77.22 ±1.02] |
| XXN20W-XXM | N MALE/MALE | 2.95 ±0.05 | [74.93 ±1.27] |
| XXN20W-XXF | N FEMALE/FEMALE | 3.12 ±0.03 | [79.25 ±0.76] |
| XXT20W-XXdB | TNC MALE/FEMALE | 3.20 ±0.04 | [81.28 ±1.02] |
| XXT20W-XXM | TNC MALE/MALE | 3.11 ±0.05 | [78.99 ±1.27] |
| XXT20W-XXF | TNC FEMALE/FEMALE | 3.29 ±0.03 | [83.57 ±0.76] |

SIZE

A

FSCM NO.

64671

DWG. NO.

401-1810

SCALE

NONE

REV. LTR.

SHEET 2 OF 2

DIMENSIONS IN BRACKETS ARE EXPRESSED IN MILLIMETERS AND ARE FOR REFERENCE ONLY.