

REVISIONS

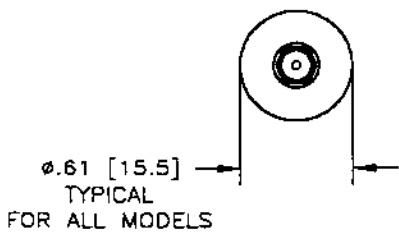
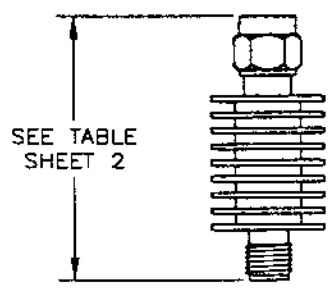
LTR	DESCRIPTION	DATE	APPROVED
E	95 RELEASE	26JUL94	

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

SPECIFICATIONS: 5 WATT 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 _____ ±1.5dB 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 _____ 5 WATTS AVERAGE AT 25°C
 DERATED LINEARLY TO
 1 WATT 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:
 HOUSING _____ ANODIZED ALUMINUM
 CONNECTORS _____ PASSIVATED STAINLESS STEEL
 CONDUCTORS _____ Au PLATED BERYLLIUM COPPER

SMA M/F 31-60dB STYLE SHOWN



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. DIMENSIONS IN BRACKETS ARE EXPRESSED IN MILLIMETERS AND ARE FOR REFERENCE ONLY. WEIGHTS ARE EXPRESSED IN GRAMS AND ARE MAXIMUM.

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 6B5W-10 = DC TO 6GHz, SMA MALE/FEMALE, 10dB
- MODEL 12N5W-20 M = DC TO 12.4GHz, TYPE N MALE/MALE, 20dB
- MODEL 18T5W-3 F = DC TO 18GHz, TNC FEMALE/FEMALE, 3dB
- MODEL 18B5W-60 = DC TO 18GHz, SMA MALE/FEMALE, 60dB

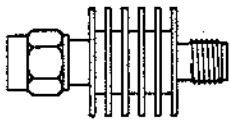
REV. STATUS OF SHEETS	REV.	E	E																
	SHT.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

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 03JUN91			TITLE: OUTLINE DRAWING; ATTENUATORS, COAXIAL, FIXED, SMA, N AND TNC CONNECTORS, DC TO 18GHz, 1 THROUGH 60dB, 5 WATTS, MINIATURE MODEL XX5W-XXdB SERIES			
MATERIAL:		CHECKED		SIZE A	FSCM NO. 64671				
FINISH		DESIGN		SCALE NONE		RELEASE DATE		SHEET 1 OF 2	
SIMILAR TO		WEIGHT (gr)		CUSTOMER		DESIGN ACTIVITY			

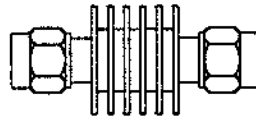
NOTE:
1-30dB STYLES ARE SHOWN.
31-60dB STYLES ARE NOT
SHOWN.

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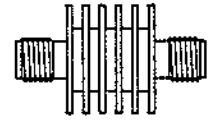
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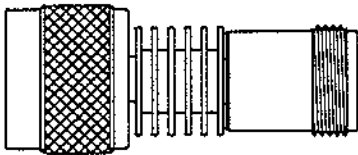
MODEL XXB5W-XXdB
SMA MALE/FEMALE



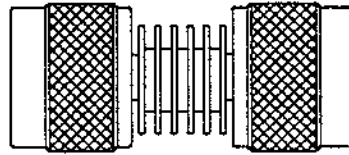
MODEL XXB5W-XXdB M
SMA MALE/MALE



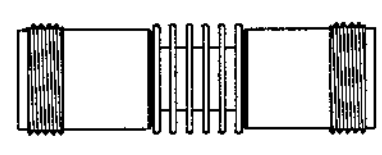
MODEL XXB5W-XXdB F
SMA FEMALE/FEMALE



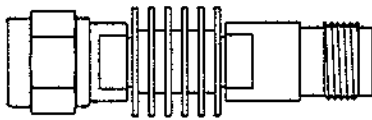
MODEL XXN5W-XXdB
TYPE N MALE/FEMALE



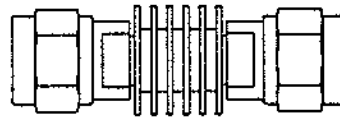
MODEL XXN5W-XXdB M
TYPE N MALE/MALE



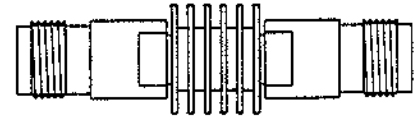
MODEL XXN5W-XXdB F
TYPE N FEMALE/FEMALE



MODEL XXT5W-XXdB
TNC MALE/FEMALE



MODEL XXT5W-XXdB M
TNC MALE/MALE



MODEL XXT5W-XXdB F
TNC FEMALE/FEMALE

PACKAGE DESCRIPTION TABLE

CONN. CONFIG.	WEIGHTS		OVERALL LENGTH		REFERENCE PLANE	
	1-30dB	31-60dB	1 - 30dB	31 - 60dB	1 - 30dB	31 - 60dB
SMA M/F	9.1	12.5	1.200 ±.020 [30.48 ±0.51]	1.485 ±.020 [37.72 ±0.51]	1.020 ±.010 [25.91 ±0.25]	1.300 ±.010 [33.02 ±0.25]
SMA M/M	10.8	14.2	1.330 ±.030 [33.78 ±0.76]	1.615 ±.030 [41.02 ±0.76]	1.120 ±.010 [28.45 ±0.25]	1.400 ±.015 [35.56 ±0.38]
SMA F/F	7.4	10.8	1.080 ±.020 [26.92 ±0.51]	1.350 ±.015 [34.29 ±0.38]	.910 ±.015 [23.11 ±0.38]	1.200 ±.010 [30.48 ±0.25]
TYPE N M/F	51.9	55.3	1.900 ±.025 [48.26 ±0.64]	2.190 ±.020 [55.63 ±0.51]	1.520 ±.015 [38.61 ±0.38]	1.810 ±.010 [45.97 ±0.25]
TYPE N M/M	58.5	61.8	1.820 ±.030 [46.23 ±0.76]	2.110 ±.025 [53.59 ±0.64]	1.770 ±.015 [44.96 ±0.38]	2.060 ±.015 [52.32 ±0.38]
TYPE N F/F	45.3	48.7	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]
TNC M/F	37.4	40.7	2.065 ±.025 [52.45 ±0.64]	2.350 ±.020 [59.69 ±0.51]	1.725 ±.015 [43.82 ±0.38]	2.015 ±.010 [51.18 ±0.25]
TNC M/M	47.8	51.2	1.970 ±.035 [50.04 ±0.89]	2.260 ±.035 [57.40 ±0.89]	1.955 ±.015 [49.66 ±0.38]	2.245 ±.010 [57.02 ±0.25]
TNC F/F	26.9	30.3	2.160 ±.020 [54.86 ±0.51]	2.445 ±.015 [62.10 ±0.38]	1.495 ±.015 [37.97 ±0.38]	1.785 ±.010 [45.34 ±0.25]

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SIZE A	FSCM NO. 64671	DWG. NO. 401-0610
SCALE NONE	REV. LTR. E	SHEET 2 OF 2