

SPECIFICATIONS

ELECTRICALS:

VSWR (MAX)	DC - 2.5 GHz	<1.15:1
	2.5 - 4 GHz	<1.25:1
	4 - 6 GHz	<1.30:1
	6 - 8 GHz	<1.40:1
ATTENUATION	-01 TO -06 dB	±0.30 dB
	-07 TO -12 dB	±0.50 dB
	-13 TO -30 dB	±0.75 dB
	-40 dB	±1.25 dB
	-50 dB (<=6 GHz Only)	±2.00 dB but Length = 2.73" & HS OD 1.0"
POWER (AVG. MAX.)	5 WATTS	
DERATES LINEARLY TO 10% FROM <+25°C TO +125°C		

POWER, PEAK 500 WATTS
5 µ SEC. PULSE WIDTH, 0.05% DUTY CYCLE

MATERIAL:

HOUSING: BRASS ALLOY, LOW IM3 PLATED (SILVER OR TRI-ALLOY, NOT NI)
CONTACT: BERYLLIUM COPPER, BRASS OR PHOSPHOR BRONZE WITH SILVER PLATING.
DIELECTRIC - TEFLON IAW ASTM-D1710
HEAT SINK: ALUMINUM ALLOY, BLACK ANODIZED

OPERATING TEMP. RANGE °C -55 to +125

3. MECHANICAL

UNIT NOT HERMETICALLY SEALED BUT MOISTURE RESISTANT.
CONNECTORS COMPLY WITH STANDARDS FOR 7/16 CONNECTORS (DIN 47 223, ETC.).

ORDERING OPTIONS FOR 768X-752X-DB:

First 4 Digits S/B 7682- for an Male to Female - THIS IS THE STANDARD TYPE

CHANGE 7682- TO 7680- FOR FEMALE TO FEMALE

CHANGE 7682- TO 7681- FOR MALE TO MALE

Second Set of 4 Digits (-"752X") S/B 7528 for 8 GHz Unit

CHANGE -7528- TO -7522- FOR 2.5 GHz UNIT

CHANGE -7528- TO -7526- FOR 6 GHZ UNIT

CHANGE -7528- TO -7524- FOR 4 GHZ UNIT

-db= DB OF UNIT 01 FOR 1 dB, -20 FOR 20 dB, ETC.

EXAMPLES:

7682-7528-20 = 20 DB, 8 GHz, MALE TO FEMALE

7680-7526-10 = 10 DB, 6 GHz, FEMALE TO FEMALE

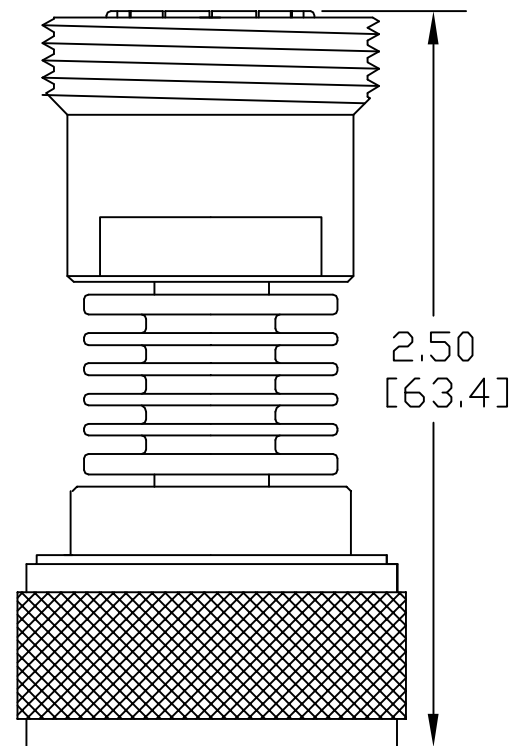
7681-7522-03 = 3 DB, 2.5 GHz, MALE TO MALE

BETWEEN SERIES ADAPTER / ATTENUATORS (ADAPTENUATORS) AVAILABLE

PRODUCTION
RELEASE

NOTE:
THIS DRAWING INCORPORATES
THIRD ANGLE PROJECTION.
INTERPRET IAW ANSI Y14.5-1995

REVISIONS		
REV	DESCRIPTION	APPROVED
-	RELEASE	8/15/2011 D. Saunders



FORMERLY 7682-6508-DB

DRAWING PRACTICES PER ANSI-Y14.5 MIL-STD-100 & 1000	
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	
SURFACE ROUGHNESS	✓
FINISH	SEE NOTES
MATERIAL	SEE NOTES

UNLESS OTHERWISE SPECIFIED TOLERANCES IN	
DECIMALS	INCH MM
.X"	.06" [1.5]
.XX"	.050" [1.3]
.XXX"	.030 [0.76]
.XXXX"	.030
ANGLES	
UNLESS OTHERWISE NOTED DIA CONCENTRIC <.003 T.I.R.	

DRAWN D. SAUNDERS	DATE
CHECKED	DATE
ENG.	DATE
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TITLE	
DIN 7/16 5 WATT ATTENUATOR OUTLINE DRAWING	
SIZE C	CAGE CODE 3HT76
SCALE 4:1	DWG NO. 768X-752X-DB
PLATING SPECS SCALE INCHES	XXX SHEET 1 OF 1