

SPECIFICATIONS

PRODUCTION
RELEASE

NOTE:
THIS DRAWING INCORPORATES
THIRD ANGLE PROJECTION
INTERPRET IN ACCORDANCE WITH
ANSI Y14.5-1995

REVISIONS

REV	DESCRIPTION	APPROVED
-	RELEASE	08/15/2011 D. Saunders

1. 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

2. 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 or Less Only)	±2.00 dB
POWER (AVG. MAX.)	10 WATTS DERATES LINEARLY from ≤+25°C TO 10% @ +125°C	
POWER, PEAK	500 WATTS 5 μ SEC. PULSE WIDTH, 0.05 % DUTY CYCLE	
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.).
AVAILABLE WITH HEX MALE COUPLING NUT. CHANGE PN FROM 768X TO 768XH-

ORDERING OPTIONS FOR 768X-750X-DB:

First 4 Digits ("768X-") S/B "7682-" for an Male to Female - 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 -7508- TO -7502- FOR 2.5 GHZ UNIT

CHANGE -7508- TO -7506- FOR 6 GHZ UNIT

CHANGE -7508- TO -7504- FOR 4 GHZ UNIT

BETWEEN SERIES ADAPTER / ATTENUATORS (ADAPTENUATORS) AVAILABLE

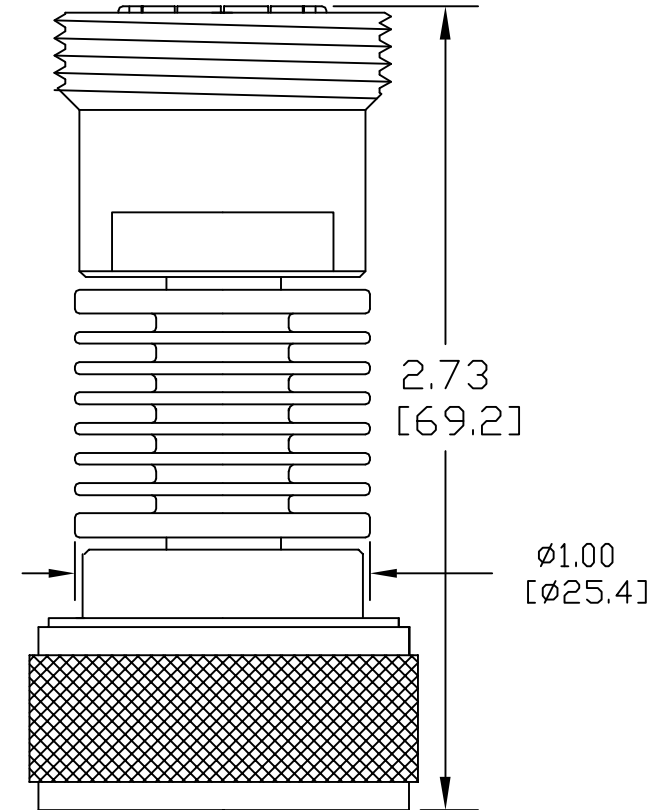
-db= DB OF UNIT 01 FOR 1 dB, -20 FOR 20 dB, ETC.

EXAMPLES:

7682-7508-20 = 20 DB, 8 GHz, MALE TO FEMALE

7680-7506-10 = 10 DB, 6 GHz, FEMALE TO FEMALE

7681-7502-03 = 3 DB, 2.5 GHZ, MALE TO MALE



DRAWING PRACTICES PER ASME-Y-14.5
MIL-STD-100 & 1000

3DIMENSIONS ARE IN INCHES AND
APPLY BEFORE/ AFTER PROCESSING

SURFACE
ROUGHNESS

FINISH
SEE NOTES

MATERIAL
SEE NOTES

UNLESS OTHERWISE SPECIFIED
TOLERANCES IN

DECIMALS	INCH	MIL
.X"	.06"	[1.5]
.XX"	.050"	[1.3]
.XXX"	.030	[.76]

ANGLES

UNLESS OTHERWISE NOTED
DIA CONCENTRIC <.003 T.I.R.

DRAWN
D. SAUNDERS

CHECKED

ENG.

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SIZE	CAGE CODE	DWG NO.
C	3HT76	768X-750X-DB

TITLE
DIN 7/16, 10 WATT ATTENUATOR
OUTLINE DRAWING

SCALE	PLATING AREA	XXX	SHEET
4:1	SOURCE: [unclear]		1 OF 1