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SPECIFICATIONS

ELECTRICAL

FREQ. RANGE _____ DC TO 18 GHz
 VSWR _____ 1.30:1 MAX.
 AVAILABLE dB VALUES _____ SEE CHART A
 ATTENUATION ACCURACY
 3dB & 6dB _____ ±0.50 dB
 10dB _____ ±0.60 dB
 20 & 30dB _____ ±0.75 dB
 POWER _____ 1 WATT AVG. @ 25°C
 DERATES LINEARLY TO 10% @ 125°C
 PEAK POWER _____ 50 WATTS MAX.
 (5uSec PW, 0.05% DUTY CYCLE)
 IMPEDANCE _____ 50 OHMS NOM.
 TEMPERATURE RANGE _____ 4 KELVIN TO +125°C
 DESIGNED TO MEET THE INTENT OF MIL-DTL-3933
 TABLE III SCREENING

MATERIAL

BARREL _____ STAINLESS STEEL IAW
 _____ ASTM-A484 & ASTM-A582,
 _____ ALLOY 303, COND A
 SMP HOUSINGS _____ BeCu
 SMP CONTACTS _____ BeCu
 DIELECTRIC _____ TEFLON
 OPERATING TEMP _____ -65°C TO +125°C

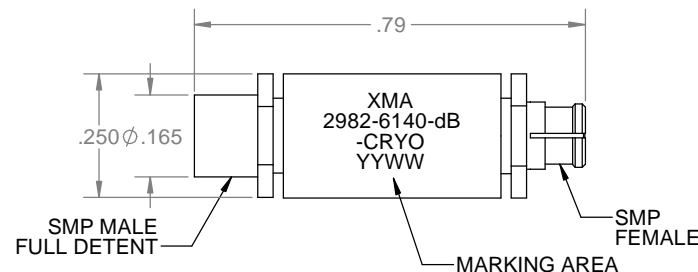
FINISH

BARREL _____ PASSIVATED
 SMP HOUSINGS _____ GOLD PLATED IAW
 _____ MIL-G-45204, TYPE II,
 _____ CLASS 1
 SMP CONTACTS _____ GOLD PLATED IAW
 _____ MIL-G-45204, TYPE II,
 _____ CLASS 1

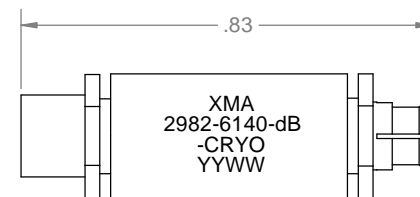
MARKING

PART LOOKS LIKE PRODUCT IMAGE ABOVE
 PART MARKING AND ORIENTATION AND FORMAT AS SHOWN
 REPLACE THE "dB" WITH THE ACTUAL TWO DIGIT dB VALUE
 AS STATED ON THE WORK ORDER
 MARKING TO BE AS LARGE AS POSSIBLE, CLEAR, READABLE.
 YYWW EQUALS DATE CODE.

REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
-	INITIAL RELEASE	20-091	6/29/20	T.KUHN
A	ADDED 30 dB	21-058	4/15/21	CM



0 - 20dB



30 dB ONLY

-dB	AVAILABLE dB VALUES
00	0
03	3
06	6
10	10
20	20
30	30

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2982-6140-dB-CRYO	ATTENUATOR, SMP-m/m, 1W,DC-18GHz, CRYO	
1	TA-2982-6140-dBU-CRYO	ASSY, ATTENUATOR, SMP-m/m, 1W,DC-18GHz, CRYO, UNMARKED	1

DRAWING PRACTICES PER ANSI-Y-14.5
 MIL-STD-100 & 1000
 DIMENSIONS ARE IN INCHES AND
 APPLY BEFORE / AFTER PROCESSING
 SURFACE ROUGHNESS μ INCHES 63
 FINISH:
 SEE NOTES
 MATERIAL:
 SEE NOTES
 NOTE:
 THIS DRAWING INCORPORATES
 THIRD ANGLE PROJECTION.
 INTERPRET IAW ANSI Y14.5-1982

UNLESS OTHERWISE SPECIFIED
 TOLERANCES IN:
 DECIMALS INCH [MM]
 .X" .05" [.127]
 .XX" .03" [.76]
 .XXX" .010" [.25]
 ANGLES ±0°30'
 REMOVE ALL BURRS/SHARP W/
 BREAK / R OF .003" TO .0005"
 UNLESS OTHERWISE NOTED
 DIAS CONCENTRIC <.003 T.I.R.
 DO NOT SCALE PRINT

DRAWN DATE
 MCCORMICK 6/29/20
 CHECKED DATE
 MCCORMICK 6/29/20
 ENG. APPR. DATE
 T.KUHN 6/29/20



Phone: 603-222-2256 Fax: 603-222-2259
 7 Perimeter Road, Manchester, NH 03103

TITLE			
SIZE	CAGE CODE	DRAWING NUMBER	REV
B	3HT76	2982-6140-dB-CRYO	A
SCALE	PLATED AREA SQ. IN		SHEET 1 OF 1

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