

SPECIFICATIONS

ELECTRICAL

FREQUENCY RANGE _____ DC TO 18 GHz
 ATTENUATION _____ 0.5-6.5 ±0.30
 6.5-12.5 ±0.50
 VSWR(MAX) _____ DC - 4 GHz _____ 1.15:1
 4 - 12.4 GHz _____ 1.25:1
 12.4 - 18 GHz _____ 1.35:1
 POWER _____ 2 WATTS (AVG)
 Derates Linearly from +25°C to 10% at +125°C
 POWER, PEAK _____ 500 WATTS
 5 μ SEC PULSE WIDTH, 0.1% DUTY CYCLE
 IMPEDANCE: _____ 50 OHMS
 OPERATING TEMP RANGE _____ -65 TO +125°

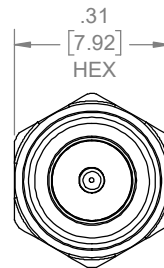
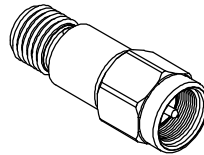
MATERIALS

OUTER CONDUCTOR _____ PASSIVATED STAINLESS
 STEEL IAW ASTM A484 & A582, CLASS 303
 CENTER CONDUCTOR _____ GOLD PLATED (ASTM-B488/MIL-PRF-39012)
 BERYLLIUM COPPER PER ASTM B196 & B197
 RESISTIVE ELEMENT _____ THIN FILM HYBRID ON 99.6% ALUMINA
 SUBSTRATE

MARKING

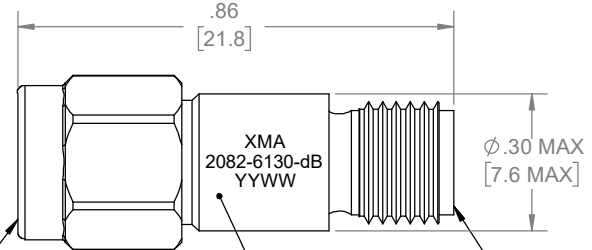
PART LOOKS LIKE PRODUCT IMAGE ABOVE.
 PART MARKING ORIENTATION AND FORMAT AS SHOWN.
 dB TO BE REPLACED WITH THE dB VALUE IN THE TABLE BELOW.
 LASER MARKING TO BE AS LARGE AS POSSIBLE, CLEAR, AND READABLE.
 YYWW EQUALS DATE CODE.

PART #	dB VALUES	MARKED dB VALUE
2082-6130-005	.5	0.5
2082-6130-1.5	1.5	1.5
2082-6130-2.5	2.5	2.5
2082-6130-3.5	3.5	3.5
2082-6131-4.5	4.5	4.5
2082-6131-5.5	5.5	5.5
2082-6131-6.5	6.5	6.5
2082-6132-7.5	7.5	7.5
2082-6132-8.5	8.5	8.5
2082-6132-9.5	9.5	9.5
2082-6132-10.5	10.5	10.5
2082-6133-11.5	11.5	11.5
2082-6133-12.5	12.5	12.5



SMA PLUG PER MIL-STD-348

REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
D	COMBINED 1/2 dB AND 12.4GHz		1/14/10	DS
E	ADDED MARKING/TOLERANCE CHANGE	14-326	9/18/14	T.KUHN
F	ADDED TABLE	19-050	5/7/19	T.KUHN



MARKING AREA SEE NOTES

SMA JACK PER MIL-STD-348

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2082-613X-dB	ATTENUATOR, SMA-m/f, DC-18GHz, 2W	
1	TA-2082-6X3X-dBU	ASSEMBLY, ATTENUATOR, SMA-m/f, DC-18GHz, 2W, UNMARKED	1

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000
 DIMENSIONS ARE IN INCHES AND APPLY BEFORE / AFTER PROCESSING
 SURFACE ROUGHNESS μINCHES **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 9/18/14
 CHECKED DATE
MCCORMICK 9/18/14
 ENG. APPR. DATE
T.KUHN 9/18/14

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 TITLE

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ATTENUATOR, SMA-m/f, DC-18GHz, 2W			
SIZE B	CAGE CODE 3HT76	DRAWING NUMBER 2082-613X-dB	REV F
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	