

5

4

3

2

1

SPECIFICATIONS

ELECTRICAL

FREQUENCY RANGE _____ 2 - 18 GHz

VSWR
 PRIMARY _____ 1.35:1 MAX.
 SECONDARY _____ 1.40:1 MAX.

INPUT PORT
 AVG. POWER (FWD/REV) _____ 50/39 WATTS @ 25°C
 DERATES LINEARLY TO 10% @ 85°C

PEAK POWER _____ 3 k WATTS

IMPEDANCE _____ 50 OHMS

COUPLING _____ 16 dB ± 1 dB

INSERTION LOSS _____ 0.90 dB

DIRECTIVITY _____ 15 dB MIN.

FREQUENCY SENSITIVITY _____ ± 0.55 dB

OPERATING TEMP RANGE _____ -55°C TO +85°C

MECHANICAL

SMA CONNECTORS - FEMALE/JACK (IAW MIL-PRF-39012 & MIL-STD-348)

CONTACTS _____ GOLD PLATED BERYLLIUM COPPER

CONNECTOR HOUSING _____ PASSIVATED STAINLESS STEEL

CIRCUIT CASE _____ ALUMINUM ALLOY W/ CHEMICAL
 CONVERSION COAT, RoHS COMPLIANT

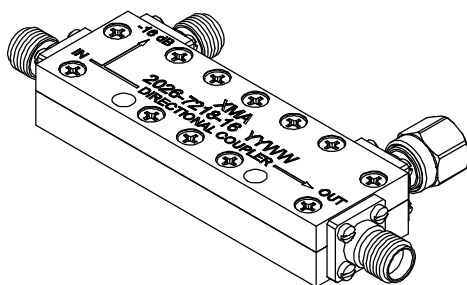
INSULATORS _____ PTFE, VIRGIN ELECTRICAL GRADE

WEIGHT _____ 1.35 oz. MAX.

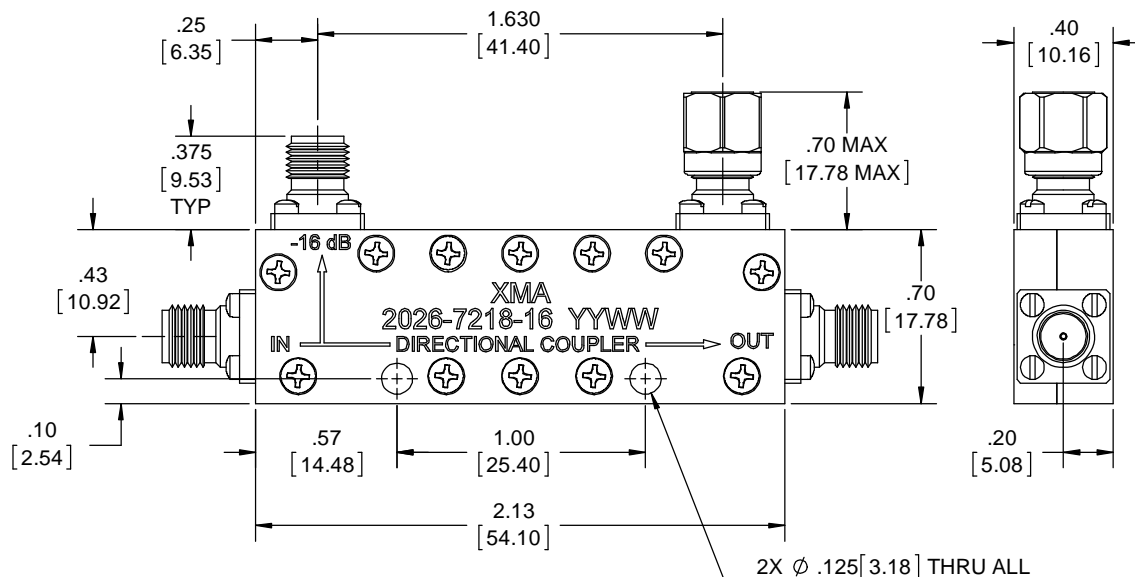
TORQUE _____ SMA CONNECTORS 7-10 IN. LBS.

MARKING

PART LOOKS LIKE PRODUCT IMAGE ABOVE.
 PART MARKING ORIENTATION AND FORMAT AS SHOWN.
 MARKING TO BE AS LARGE AS POSSIBLE, CLEAR, AND READABLE.
 "YYWW" EQUALS DATE CODE.



REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
-	INITIAL RELEASE	15-191	6/19/15	T.KUHN



QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2026-7218-16	DIRECTIONAL COUPLER, SMA FEMALE, DC-18 GHz, 50/39 WATTS AVG, 3k WATTS PEAK	
1	TA-2026-7218-16U	ASSEMBLY, DIRECTIONAL COUPLER, SMA FEMALE, DC-18 GHz, 50/39 WATTS AVG, 3k WATTS PEAK, 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" [1.27]
.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	7/25/14
CHECKED	DATE
MCCORMICK	7/25/14
ENG. APPR.	DATE
T.KUHN	7/25/14
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Omni Spectra®

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TITLE
DIRECTIONAL COUPLER, SMA FEMALE, DC-18 GHz, 50/39 WATTS AVG, 3k WATTS PEAK

SIZE	CAGE CODE	DRAWING NUMBER	REV
B	3HT76	2026-7218-16	-
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	