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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

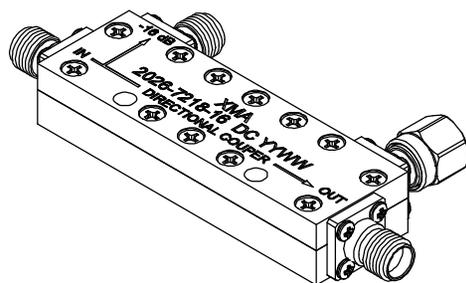
INSULATORS \_\_\_\_\_ PTFE, VIRGIN ELECTRICAL GRADE

WEIGHT \_\_\_\_\_ 1.35 oz. MAX.

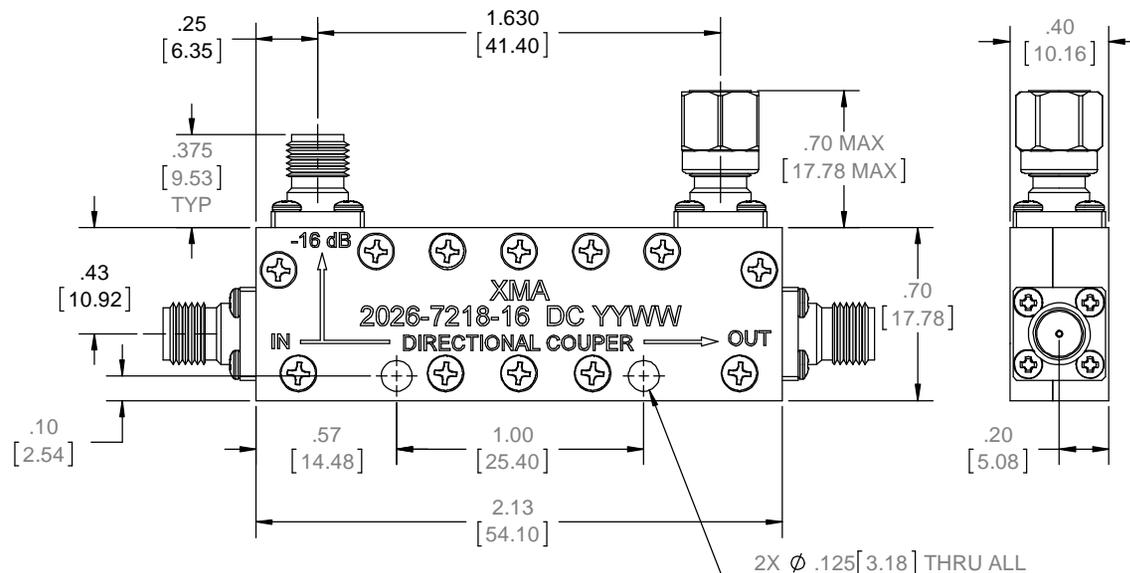
TORQUE \_\_\_\_\_ SMA CONNECTORS 7-10 IN. LBS.

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
X1	PRELIMINARY RELEASE	14-XXX	7/25/14	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	UNLESS OTHERWISE SPECIFIED TOLERANCES IN:	DRAWN DATE MCCORMICK 7/25/14
DIMENSIONS ARE IN INCHES AND APPLY BEFORE / AFTER PROCESSING	DECIMALS INCH [MM]	CHECKED DATE MCCORMICK 7/25/14
SURFACE ROUGHNESS μINCHES	.X" .05" [1.27]	ENG. APPR. DATE T.KUHN 7/25/14
FINISH: 63	.XX" .03" [.76]	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XMA CORP. OR OMNI SPECTRA AND SHALL NOT BE REPRODUCED, COPIED NOR USED - IN WHOLE OR IN PART - AS A BASIS FOR THE MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS WRITTEN PERMISSION OF XMA CORP.
SEE NOTES	.XXX" .010" [.25]	DO NOT SCALE PRINT
MATERIAL:	ANGLES ±0°30'	
SEE NOTES	REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005" UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.	
NOTE: THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION.		
INTERPRET IAW ANSI Y14.5-1982		

DATE 7/25/14			
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SIZE B	CAGE CODE 3HT76	DRAWING NUMBER 2026-7218-16	REV X1
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	

TITLE <b>DIRECTIONAL COUPLER, SMA FEMALE, DC-18 GHz, 50/39 WATTS AVG, 3k WATTS PEAK</b>			
Phone: 603-222-2256 Fax: 603-222-2259 150 Dow Street, Manchester, NH 03101			
SIZE B	CAGE CODE 3HT76	DRAWING NUMBER 2026-7218-16	REV X1
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	

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