

5

4

3

2

1

## SPECIFICATIONS

## ELECTRICAL

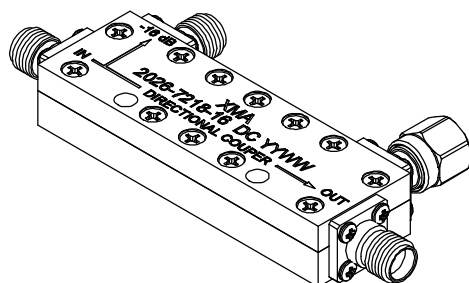
FREQUENCY RANGE	2 - 18 GHz
VSWR	
PRIMARY	1.35:1 MAX.
SECONDARY	1.40:1 MAX.
INPUT PORT	
AVG. POWER (FWD/REV)	50/39 WATTS @ 25°C DERATES LINEARLY TO 10% @ 85°C
PEAK POWER	3 k WATTS
IMPEDANCE	50 OHMS
COUPLING	16 dB ± 1 dB
INSERTION LOSS	0.90 dB
DIRECTIVITY	15 dB MIN.
FREQUENCY SENSITIVITY	± 0.55 dB
OPERATING TEMP RANGE	-55°C TO +85°C

## MECHANICAL

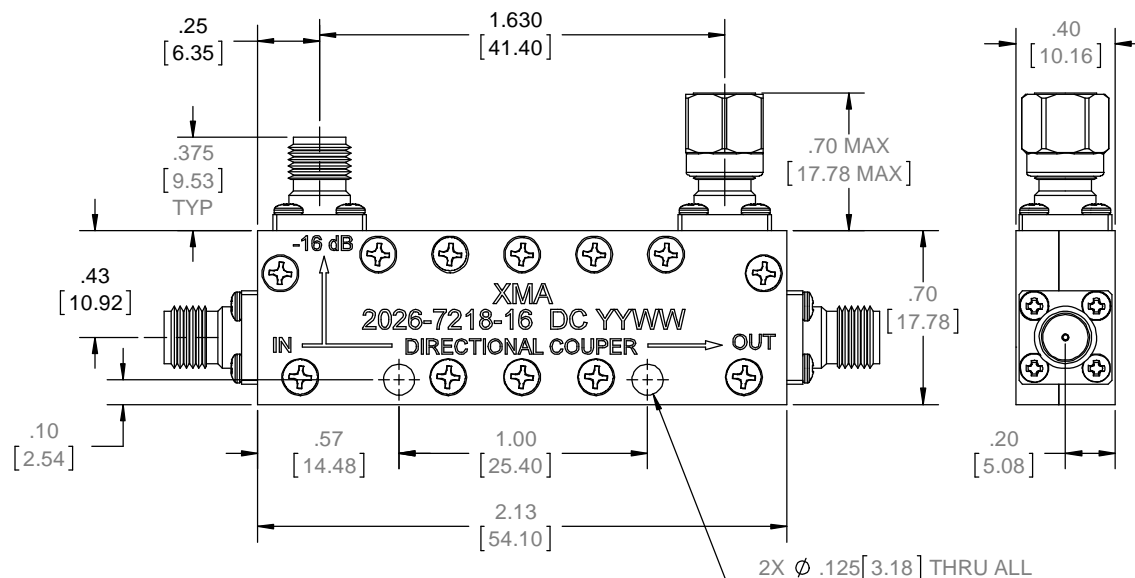
SMA CONNECTORS - FEMALE/JACK	(IAW MIL-PRF-39012 & MIL-STD-348)
CONTACTS	GOLD PLATED BERYLLIUM COPPER
CONNECTOR HOUSING	PASSIVATED STAINLESS STEEL
CIRCUIT CASE	ALUMINUM ALLOY W/ CHEMICAL CONVERSION COAT, RoHS COMPLIANT
INSULATORS	PTFE, VIRGIN ELECTRICAL GRADE
WEIGHT	1.35 oz. MAX.
TORQUE	SMA CONNECTORS 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
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
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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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	X1
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	