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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

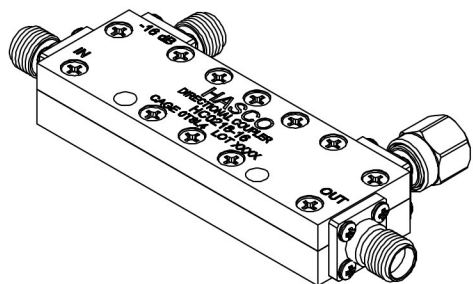
INSULATORS _____ PTFE, VIRGIN ELECTRICAL GRADE

WEIGHT _____ 1.3 oz. MAX.

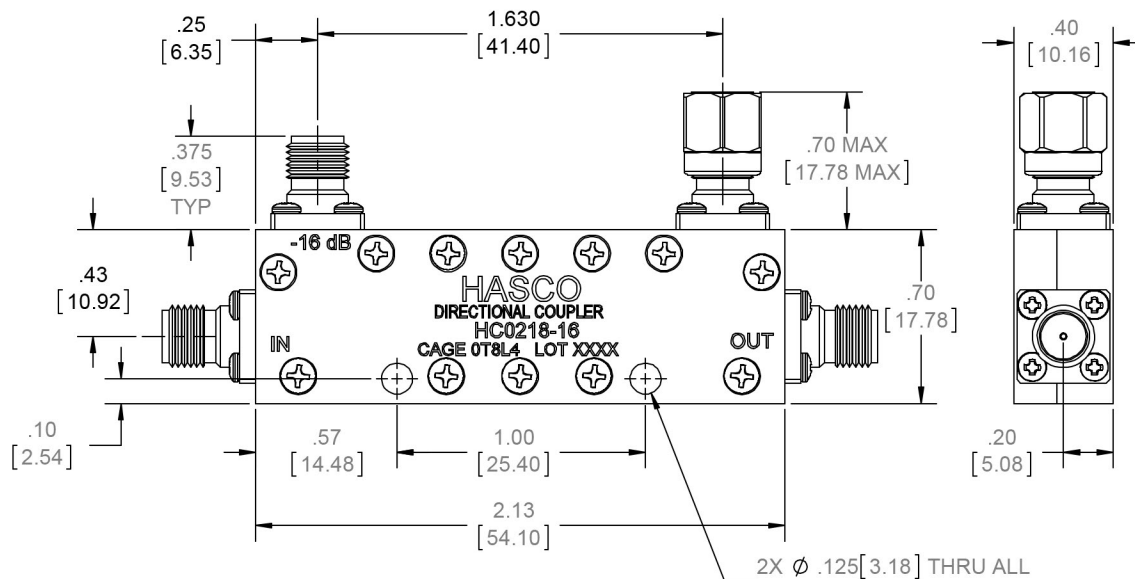
TORQUE _____ SMA CONNECTORS 7-10 IN. LBS.

MARKING

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



REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
X5	REVISED MARKING LABEL	14-ER001	7/17/14	T.KUHN



QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	HC0218-16	DIRECTIONAL COUPLER, SMA FEMALE, DC-18 GHz, 50/39 WATTS AVG, 3k WATTS PEAK	1

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000

DIMENSIONS ARE IN INCHES AND APPLY BEFORE / AFTER PROCESSING

SURFACE ROUGHNESS $\sqrt{63}$ INCHES

FINISH:

MATERIAL:

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 T.KUHN DATE 1/8/14

CHECKED DATE 1/8/14

ENG. APPR. T.KUHN DATE

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

SIZE B	CAGE CODE 0T8L4	DRAWING NUMBER HC0218-16	REV X5
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	

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