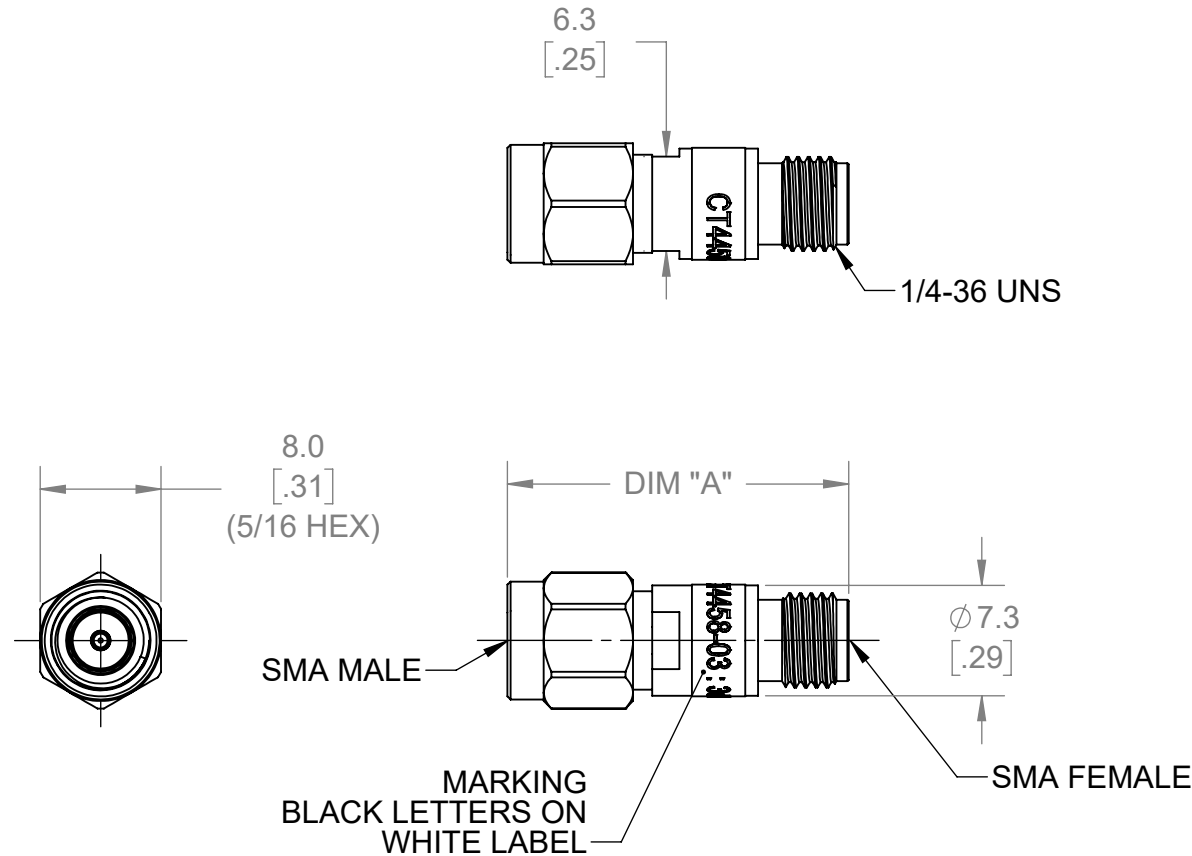


THIS IS ISSUED IN STRICT CONFIDENCE THAT IT IS NOT USED AS A BASIS FOR MANUFACTURE OR SALE AND THAT IT IS NOT COPIED, REPRINTED OR DISCLOSED TO A THIRD PARTY EITHER WHOLLY OR IN PART WITHOUT THE PRIOR WRITTEN CONSENT OF CAL TEST ELECTRONICS, INC.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	6/15/2021	B. HANSEN

- NOTES:**
- ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
 - ATTENUATOR TO MEET OR EXCEED ALL SPECIFICATIONS PER MIL-39012.
 - MATING DIMENSIONS IN ACCORDANCE WITH MIL-STD-348.
 - VSWR AND FREQUENCY RANGE SPECIFICATIONS ARE FOR REFERENCE AND ARE DEPENDANT ON CABLE TYPE AND OTHER APPLICATION SPECIFIC CONDITIONS.
 - MATERIAL:
 - CONNECTOR BODY: STAINLESS STEEL, PASSIVATED
 - CENTER CONTACT: BeCu, GOLD PLATED
 - DIELECTRIC: NORYL
 - ELECTRICAL:
 - IMPEDANCE: 50 Ω
 - FREQUENCY: DC - 18 GHz
 - POWER SENSITIVITY: <0.005 dB/dB/W (BIDIRECTIONAL IN POWER)
 - INPUT POWER: 2 W AVERAGE TO 25°C AMBIENT TEMPERATURE, DE-RATED LINEARLY TO 1.25 W @ 75°C AND 0.5 W @ 125°C, 500 W PEAK (5 μs PULSE, 0.2% DUTY CYCLE)
 - VSWR:
 - 1.15:1 @ DC - 4 GHz
 - 1.20:1 @ 4 - 8 GHz
 - 1.25:1 @ 8 - 12 GHz
 - 1.35:1 @ 12.4 - 18 GHz
 - ATTENUATOR CONFIGURATION: TEE PAD.
 - MECHANICAL:
 - TEMPERATURE RANGE: -55°C to +125°C
 - TEMPERATURE COEFFICIENT: <0.0004 dB/dB/°C
 - COUNTRY OF ORIGIAN: USA
 - RoHS AND REACH COMPLIANT.



CT4458-30	30	1.0	27.0 [1.06]
CT4458-20	20	0.7	24.5 [0.96]
CT4458-10	10	0.5	22.5 [0.88]
CT4458-06	6	0.5	22.5 [0.88]
CT4458-03	3	0.5	22.5 [0.88]
MODEL NUMBER	ATTENUATION (dB)	ACCURACY (±dB)	DIMENSION "A"

D
C
B
A

D
C
B
A



ISOMETRIC VIEW
FULL SCALE

METRIC

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:
 X.X = ±0.5 X.X* = ±0.5*
 X.XX = ±0.25
 X.XXX = ±0.125
 DO NOT SCALE DRAWING

MATERIAL: SEE NOTES

TREATMENT: SEE NOTES

FINISH: SEE NOTES

PROJECT NO. A688	
APPROVALS	DATE
DRAWN WDH	6/14/2021
CHECKER M. LEON	6/15/2021
ENGR. B. HANSEN	6/14/2021
DESIGN ACTIVITY	

Cal Test Electronics 22820 Savi Ranch Parkway
Yorba Linda, CA 92887

TITLE
SMA FIXED ATTENUATOR, 18GHz, 2W

SIZE B	CAGE CODE 43F45	DWG. NO. CT4458	REV. A
------------------	---------------------------	---------------------------	------------------

SCALE 2:1 SHEET 1 OF 1