4	3	2	1

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	1/19/2021	

NOTES:
1. ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
2. MATERIAL:
   - SMA MALE CONNECTOR -
     - BODY: BRASS, NICKEL PLT.
     - DIELECTIC: PTFE
     - CENTER CONDUCTOR: BRASS, GOLD PLT.
3. ELECTRICAL:
   - IMPEDANCE: 50 Ω
   - FREQUENCY RANGE: DC - 8 GHZ
   - VSWR: 1.30:1 MAX. @ 8 GHZ
   - OPERATING FREQUENCY MAX.: 8 GHZ
   - RF SHIELDING: 90 DB
   - VELOCITY OF PROPAGATION: NOM. 69.2%
   - CAPACITANCE: 96.5 PF/m
4. MECHANICAL:
   - OPERATING TEMPERATURE: -45°C TO +125°C
   - CABLE BEND RADIUS:
     - REPEATED MIN. - 50.8 mm
     - ONE-TIME MIN. - 25 mm
5. RECOMMENDED CONNECTOR TIGHTEN TORQUE:
   - SMA : 0.34 - 0.57 NM
6. ROHS 2 COMPLIANT.

LENGTH (cm)

8.4

SEE MODEL NO. TABLE

Cal Test Electronics CT4445-xxx

MODEL NUMBER	LENGTH & TOLERENCE IN cm	MODEL NUMBER -XXX EXTENTION
CT4445-100	100 ±1.5	-100
CT4445-60	60 ±1.0	-60

MODEL NUMBER TABLE

ITEM NO.	DESCRIPTION
4	LABEL SLEEVE, BLACK SHRINK TUBING WITH WHITE LETTERING
3	RG142B/U COAXIAL CABLE
2	POLYOLEFIN SHRINK TUBING W/ADHESIVE, BLACK
1	SMA MALE CONNECTOR

METRIC

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:
PER DIN ISO 2768m

DO NOT SCALE DRAWING

MATERIAL
SEE NOTES

TREATMENT
N/A

FINISH
SEE NOTES

PROJECT NO.
A662

APPROVALS		DATE
DRAWN	WDH	1/19/2021
CHECKER	T.Schmidt	1/19/2021
ENGR.	B.Hansen	1/19/2021
DESIGN ACTIVITY		

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

TITLE
RF CABLE ASSEMBLY, SMA MALE TO SMA MALE, RG142B/U

SIZE **B**	CAGE CODE **43F45**	DWG. NO. P444500	REV. A

SCALE 1:1 | SHEET 1 OF 1

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Cal Test Electronics:

CT4445-100 CT4445-60