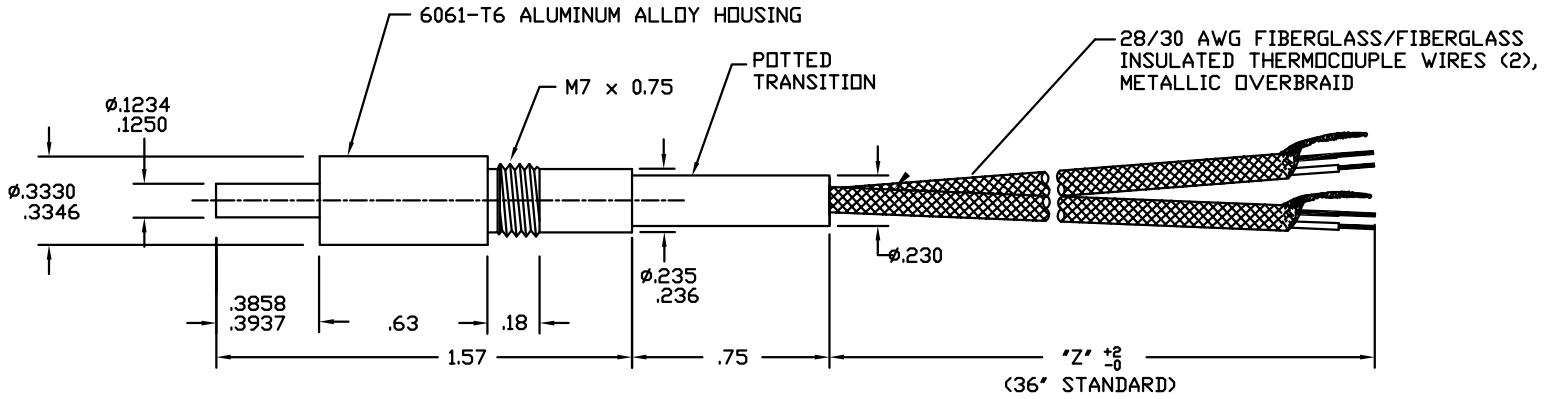

NOTES:

1. The TCS-125-AL-KU(KU-.156)-"Z"-11646 triaxial surface thermocouple with its junctions electrically isolated from the case will provide microsecond response time metal wall surface temperature measurements when properly installed flush in metal wall surface. In many cases the surface temperature history may be used to compute fast response heat transfer rates. This unit is supplied with an in-depth thermocoouple at 0.156 inch depth for steady state heat transfer rate computations. The triaxial thermocouples are ANSI Type K with 6061-T6 aluminum alloy housing.

2. Epoxy potted (500°F max) transition is standard. To specify high temperature ceramic potting material (1000°F) in the transition with the fiberglass leadwire, add suffix C to the part number.

3. The standard unit can be mounted in existing Kistler 6125A pressure transducer mounting holes using Kistler floating clamp nuts. Extensions may be used for thicker walls.

4. To order specify the following in the Part Number:

   "Z" - The length (inches) of flexible leadwire (36" STD)

5. See MEDTHERM Bulletin 500 for further descriptive information on MEDTHERM coaxial microsecond response surface thermocouples.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES		
FRACTIONS	DECIMALS	ANGLES
± 1/32	2PL ± .01 3PL ± .005	± 1°
MATERIAL	NOTED	
FINISH	_____	

TCS-125-AL-KU(KU-.156)-"Z"-11646

TRIAXIAL-TYPE UNGROUNDED JUNCTION COAXIAL SURFACE THERMOCOUPLE WITH BACKSIDE THERMOCOUPLE

MEDTHERM CORPORATION
POST OFFICE BOX 412
HUNTSVILLE, ALABAMA 35804

SCALE:		DES.	
ORIG. DWG			
CAD DWG	11/24/14	CHK.	
DR.	GMG	APP.	DCS

DWG SIZE		REV
B	11646	

SHEET 1K OF