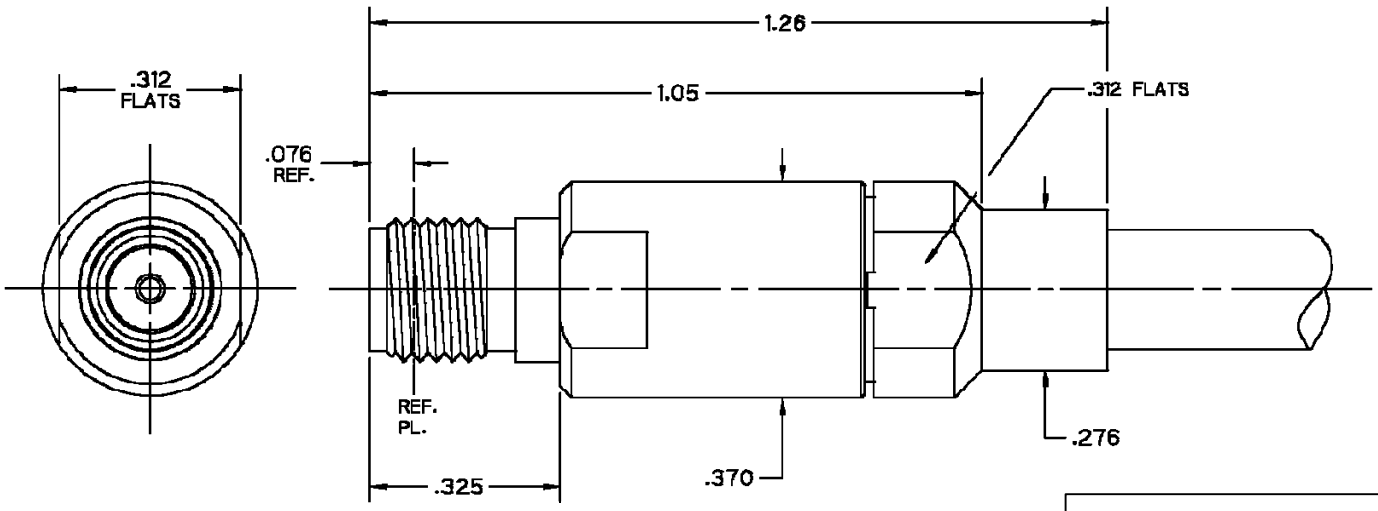
CRYSTEK MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

SMA Jack, Solder Clamp for Semflex HP190 Cable



NOTE: Distance from end of cable center conductor to Ref. Pl. is 0.325

NOTES:

1.0 Materials

1.1 Body and Clamp Nut: Steel. Corrosion Resistant per ASTM-A582. UNS No. S30300.

1.2 Center Conductor: Beryllium Copper per ASTM-B196. UNS C17300.

1.3 Solder Ferrule: Brass per ASTM-B16. UNS C36000.

1.4 O-Ring: Silicone Rubber per A-A-59588.

1.5 Insulator: PTFE Fluorocarbon per ASTM-D1710.

1.6 Dielectric Stop: Polyetherimide Thermoplastic (ULTEM 1000) per ASTM-D5205.

2.0 Finishes

2.1 Center Contact and Solder Ferrule: Gold Plate per ASTM-B488 50 Microinches Min. thickness over Electrolytic Nickel Plate per ASTM-B689 50 Microinches Min. thickness.

2.2 Body and Clamp Nuts: Passivated per SAE-AMS-2700.

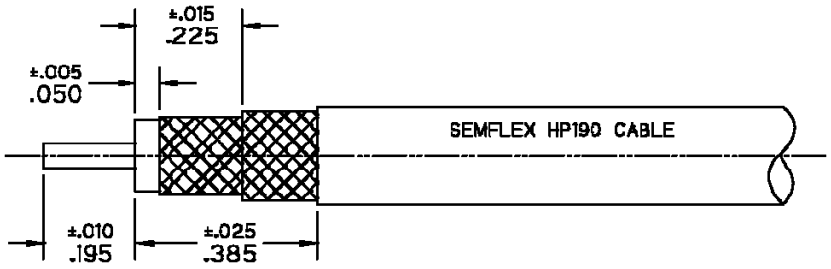
2.3 O-Ring and Dielectrics: None.

3.0 Interface: per Crystek Interface Specification CC-SMAJ.

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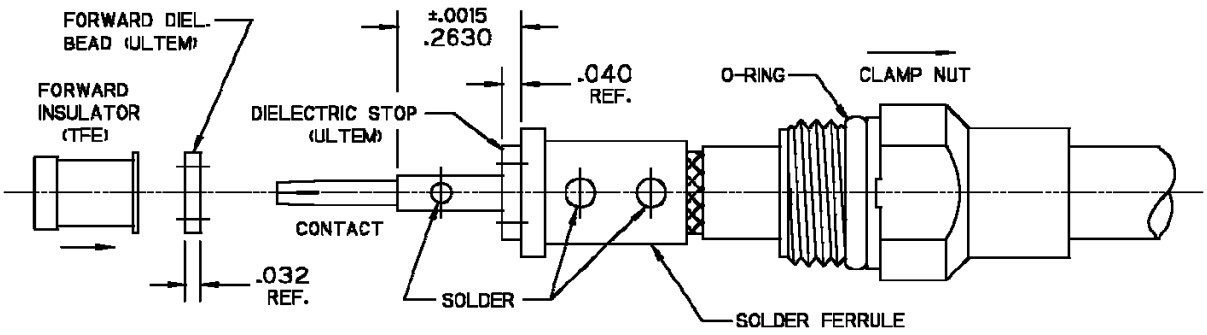
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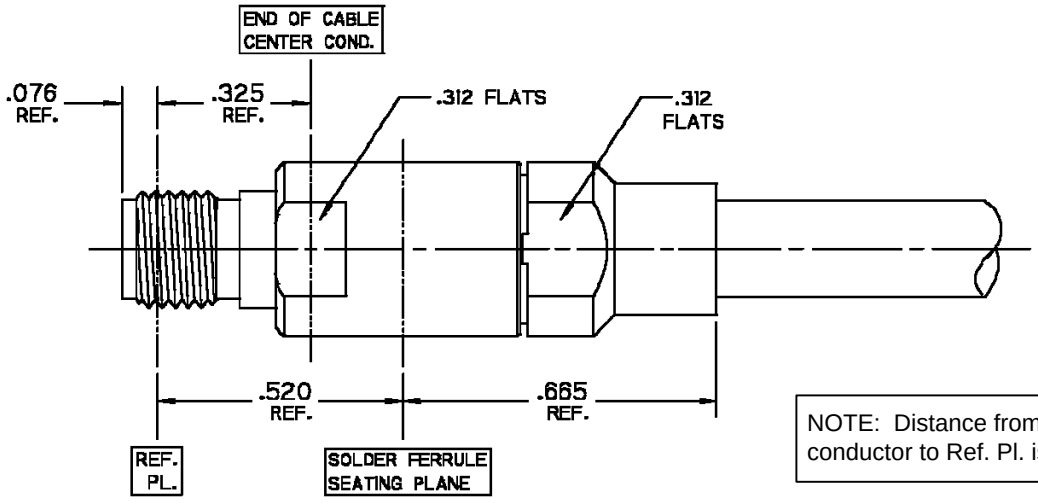
Step 1

1.1 Trim Cable as shown.



Step 2

2.1 Slide clamp nut over cable as shown.
2.2 Solder cable to solder ferrule with dielectric flush with face of ferrule.
2.3 Slide dielectric stop (Ø 0.200 OD) over cable center conductor and solder contact flush to stop to dimension shown.
2.4 Slide forward insulator and dielectric bead (Ø 0.173 OD) onto contact.



NOTE: Distance from end of cable center conductor to Ref. Pl. is 0.325 (Ref)

Step 3

3.1 Insert cable/contact sub-assembly into connector until seated and tighten clamp nut to 25-35 in-lbs.

Product Control:

Crystek Part Number:	CS-SF-MSC	Release Date:	04-Jan-11
Revision Level:	A	Responsible:	K. Piotrowicz

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