**PRELIMINARY**

**CAUTION**

THIS ASSEMBLY CONTAINS PARTS SENSITIVE TO DAMAGE BY ELECTROSTATIC DISCHARGE (ESD). USE ESD PRECAUTIONARY PROCEDURES WHEN TOUCHING, REMOVING OR INSERTING.

**AMPLIFIER**

PIN 1 - INPUT
PIN 2 - OUTPUT
PIN 3 - (GROUND) DC & RF

**DIMENSIONS ARE INCHES [mm]**

<table>
<thead>
<tr>
<th>TOLERANCE</th>
<th>.XX</th>
<th>.02 [.5]</th>
</tr>
</thead>
<tbody>
<tr>
<td>.XXX</td>
<td>.010 [.25]</td>
<td></td>
</tr>
</tbody>
</table>

**HEADER / LEADS - KOVAR**

**LID - NICKEL**

**HEADER / LEADS - GOLD/NICKEL PLATING**

**LID - NICKEL**

**MATERIAL:**
1. HEADER / LEADS - KOVAR
2. LID - NICKEL
3. FINISH: HEADER / LEADS - GOLD/NICKEL PLATING
   LID - NICKEL
4. DIMENSIONS ARE INCHES [mm]

**TYP 3 PLCS.**

**DATE CODE**

* COMPONENT HEIGHT MAY VARY ACCORDING TO SPECIFIC DEVICE
* CONSULT SPECTRUM MICROWAVE FOR ADDITIONAL INFORMATION IF REQUIRED

**TITLE:** OUTLINE TO-39 PACKAGE

**SCALE:** DO NOT SCALE DRAWING

**UNLESS OTHERWISE SPECIFIED**

**NOTE:** COMPUTER ASSISTED DRAWING

**REV.:** P1

**DRAWN BY:** API TECHNOLOGIES CORP.

**CHECKED:** KT

**DATE:** 2012-04-17

**PHILADELPHIA OPERATIONS**

**DWG NO.:** 088-00423

**CAGE CODE:** 60979

**REV.:** P1

**DATE:** 2014-03-17