

| Customer           |         | Qty               | Assembly                 | Sales Order | Date       | Order # |
|--------------------|---------|-------------------|--------------------------|-------------|------------|---------|
| Eravant            |         | 5                 | SAC-2433331533-315-S2-DP |             | 08/05/2020 | WO05985 |
| First Article: Yes | WIP: No | Type: Sales Order | Outline: AC-CA15--340-DP |             |            |         |

## Description

**Conical Horn Antenna Dual Polarized WR-34**  
**Frequency Range: 24.0 to 33.0 GHz**  
**Gain: 15 dBi (Typ)**  
**H-Plane 3dB Beamwidth: 30° @ 30 GHz (Typ)**  
**E-Plane 3dB Beamwidth: 36° @ 30 GHz (Typ)**  
**Port Isolation: 45 dB (Typ)**  
**Cross Polarization: 35 dB (Typ)**  
**Connector: WR-34 Waveguide with UG-1530/U Threaded Flange**

| Item           | Qty | Inventory Detail  | Description                                   |
|----------------|-----|-------------------|-----------------------------------------------|
| DMAC-315-404-1 | 5   | YARD(5)           |                                               |
| DMAT-34-301-1  | 5   | A3(66)            |                                               |
| DMAT-34-302-1  | 5   | A3(66)            |                                               |
| DMAT-34-303-1  | 5   | A3(53)            |                                               |
| DMWH-332-440-1 | 40  | SQ7(1034)         |                                               |
| DMWT-34-303-SC | 5   | YARD(2)           |                                               |
| PHW-DP0625-1   | 20  | DO NOT KIT(7891)  |                                               |
| PHW-LW0402-1   | 40  | DO NOT KIT(18368) |                                               |
| PHW-LW0402-SC  | 40  | DO NOT KIT(6725)  |                                               |
| PHW-NT0406-1   | 40  | DO NOT KIT(6117)  |                                               |
| PHW-SC0250-1   | 30  | YARD(1255)        | Screw: 2-56 X 1/2'', Socket Cap Machine Screw |
| DMAC-08-404-1  | 15  |                   |                                               |
| DMAC-12-402-1  | 10  |                   | McMaster-Carr P/N: 92196A081                  |
| DMAC-12-403-1  | 50  |                   | Material: 18-8 Stainless Steel                |
|                |     |                   | Qty: 100 pcs/box                              |
| PHW-SC0431-1   | 40  | DO NOT KIT(25061) |                                               |
| PHW-SC0450-1   | 40  | DO NOT KIT(16882) |                                               |
| PHW-SC0450-1   | 60  | DO NOT KIT(16882) |                                               |

**Material Inspection:**  
**WG Dowel Pin Install:**  
**Probe Install(H20E):**  
**Coax Conn Install:**  
**Oven Cure:**  
**Tuning Screw Install(Super Glue):**  
**Set Screw Install (Loctite):**  
**MMIC:**

Operator (1)  
 Yopez, Miguel

Operator (2)

Operator (3)



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|-------------|------------|---------|
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| Item                       | Assembly Required | Quantity |
|----------------------------|-------------------|----------|
| SAC-2433331533-315-S2-DP   |                   | 0        |
| SAC-2433331533-315-S2-DP-Z | Yes               | 1        |
| DMAC-315-404-1             |                   | 1        |
| DMWH-332-440-1             |                   | 8        |
| DMWT-34-303-SC             |                   | 1        |
| PHW-LW0402-SC              |                   | 8        |
| DMAC-08-404-1              |                   | 3        |
| DMAC-12-402-1              |                   | 2        |
| DMAC-12-403-1              |                   | 10       |
| SAT-F3-34034-S1-Z          | Yes               | 1        |
| DMAT-34-301-1              |                   | 1        |
| DMAT-34-302-1              |                   | 1        |
| DMAT-34-303-1              |                   | 1        |
| PHW-SC0250-1               |                   | 6        |
| PHW-SC0450-1               |                   | 12       |
| PHW-DP0625-1               |                   | 4        |
| PHW-HK116190-TR1           | Yes               | 2        |
| PHW-SC0450-1               |                   | 8        |
| PHW-NT0406-1               |                   | 8        |
| PHW-LW0402-1               |                   | 8        |
| PHW-SC0431-1               |                   | 8        |