

Notes:

**1. Materials and Finishes**

- **Cable:** Habia RF & Microwave Coaxial Semi Flexible Cable - Flexiform 405 HFJ .086 "
- **Connector A:** SMA Right Angle Plug, Gold plated body and inner pin, Teflon insulator
- **Connector B:** SMA Socket, Gold plated body and inner pin. Teflon isolator

**2. Technical Data:**

- **Operating Temperature:** -45°C To +85°C

**3. Marking:**

- Approximately Centred Directly on Cable



|  |                            |       |  |   |
|--|----------------------------|-------|--|---|
| <a href="http://www.racomtech.com">www.racomtech.com</a><br><a href="mailto:sales@racomtech.com">sales@racomtech.com</a> | Unless Otherwise Specified |       | <b>RACOMTECH<br/>PTY LTD</b><br><hr/> Phone: 61+3 97518554<br>1 Fort Street<br>Mount Waverley<br>VIC 3149<br>Australia | <b>CABLE ASSEMBLY<br/>SMA RA_PLUG TO SMA<br/>PLUG / SOCKET<br/>MICROWAVE CABLE<br/>0.086"</b> |
|  | FRACTIONS                  | ±1/16 |  |   |
|  | x                          | ±.030 |  |   |
|  | xx                         | ±.015 |  |   |
| xxx  | ±.005                      |       |  |   |
| Issue Jan. 2009  | ANGLES                     | ±1°   |  | RACOMTECH-XX  |

| ASSEMBLY NO.  | REF.NO.            | DIM. "L"<br>Inch (mm) | 2.0 GHz VSWR | 2.0 GHz Loss (dB) | 6.0 GHz VSWR | 6.0 GHz Loss (dB) | 9.4 GHz VSWR | 9.4 GHz Loss (dB) |
|---------------|--------------------|-----------------------|--------------|-------------------|--------------|-------------------|--------------|-------------------|
| RACOMTECH-2.5 | HB-SMA-RPS-086-2.5 | 2.50 (63.5)           | 1.2          | 0.10              | 1.25         | 0.20              | 1.3          | 0.30              |
| RACOMTECH-3.0 | HB-SMA-RPS-086-3.0 | 3.00 (76.2)           | 1.2          | 0.12              | 1.25         | 0.23              | 1.3          | 0.32              |
| RACOMTECH-3.5 | HB-SMA-RPS-086-3.5 | 3.50 (88.9)           | 1.2          | 0.13              | 1.25         | 0.26              | 1.3          | 0.34              |
| RACOMTECH-4.0 | HB-SMA-RPS-086-4.0 | 4.00 (101.6)          | 1.2          | 0.15              | 1.25         | 0.28              | 1.3          | 0.38              |
| RACOMTECH-4.5 | HB-SMA-RPS-086-4.5 | 4.50 (114.3)          | 1.2          | 0.17              | 1.25         | 0.30              | 1.3          | 0.44              |
| RACOMTECH-5.0 | HB-SMA-RPS-086-5.0 | 5.00 (127.0)          | 1.2          | 0.19              | 1.25         | 0.33              | 1.3          | 0.47              |
| RACOMTECH-5.5 | HB-SMA-RPS-086-5.5 | 5.50 (139.7)          | 1.2          | 0.21              | 1.25         | 0.35              | 1.3          | 0.52              |
| RACOMTECH-6.0 | HB-SMA-RPS-086-6.0 | 6.00 (152.4)          | 1.2          | 0.23              | 1.25         | 0.38              | 1.3          | 0.55              |
| RACOMTECH-6.5 | HB-SMA-RPS-086-6.5 | 6.50 (165.1)          | 1.2          | 0.24              | 1.25         | 0.41              | 1.3          | 0.60              |
| RACOMTECH-7.0 | HB-SMA-RPS-086-7.0 | 7.00 (177.8)          | 1.2          | 0.26              | 1.25         | 0.44              | 1.3          | 0.64              |
| RACOMTECH-7.5 | HB-SMA-RPS-086-7.5 | 7.50 (190.5)          | 1.2          | 0.28              | 1.25         | 0.47              | 1.3          | 0.68              |
| RACOMTECH-8.0 | HB-SMA-RPS-086-8.0 | 8.00 (203.2)          | 1.2          | 0.30              | 1.25         | 0.50              | 1.3          | 0.73              |
| RACOMTECH-8.5 | HB-SMA-RPS-086-8.5 | 8.50 (215.9)          | 1.2          | 0.32              | 1.25         | 0.53              | 1.3          | 0.76              |
| RACOMTECH-9.0 | HB-SMA-RPS-086-9.0 | 9.00 (228.6)          | 1.2          | 0.34              | 1.25         | 0.56              | 1.3          | 0.81              |
| RACOMTECH-9.5 | HB-SMA-RPS-086-9.5 | 9.50 (241.3)          | 1.2          | 0.36              | 1.25         | 0.59              | 1.3          | 0.88              |
| RACOMTECH-10  | HB-SMA-RPS-086-10  | 10.0 (254.0)          | 1.2          | 0.38              | 1.25         | 0.63              | 1.3          | 0.93              |
| RACOMTECH-11  | HB-SMA-RPS-086-11  | 11.0 (279.4)          | 1.2          | 0.41              | 1.25         | 0.69              | 1.3          | 0.97              |
| RACOMTECH-12  | HB-SMA-RPS-086-12  | 12.0 (304.8)          | 1.2          | 0.45              | 1.25         | 0.75              | 1.3          | 1.05              |
| RACOMTECH-13  | HB-SMA-RPS-086-13  | 13.0 (330.2)          | 1.2          | 0.49              | 1.25         | 0.81              | 1.3          | 1.13              |
| RACOMTECH-14  | HB-SMA-RPS-086-14  | 14.0 (355.6)          | 1.2          | 0.53              | 1.25         | 0.88              | 1.3          | 1.29              |
| RACOMTECH-15  | HB-SMA-RPS-086-15  | 15.0 (381.0)          | 1.2          | 0.56              | 1.25         | 0.94              | 1.3          | 1.30              |
| RACOMTECH-16  | HB-SMA-RPS-086-16  | 16.0 (406.4)          | 1.2          | 0.60              | 1.25         | 1.00              | 1.3          | 1.37              |
| Other         | Other              | Other                 |              |                   |              |                   |              |                   |