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|------------|----------------------------------|
| Product:   | Linear Power Amplifier (Non-TDD) |
| SARAS P/N: | SPA008-4450-13-40 V2             |

| Item | Parameter                | Units | Specification           | Remark                                  |
|------|--------------------------|-------|-------------------------|-----------------------------------------|
| 1    | Operating Frequency      | MHz   | 4400 – 5000             | C1 Band                                 |
| 2    | Gain                     | dB    | 13                      | minimum                                 |
| 3    | Gain Flatness            | dB    | ±1                      | Over full band                          |
| 4    | Output Power (P1dB)      | dBm   | +40                     | 33dBm COFDM Power                       |
| 5    | Linearity                | dBc   | 26 min, 28 typ          | Min shoulder Level occurs at bandedges  |
| 6    | Input/Output Return Loss | dB    | -10                     | Over operating band                     |
| 7    | Impedance                | Ω     | 50                      |                                         |
| 8    | DC Power Supply          | V     | +10 to 16V              | DC Power through capacitive feedthrough |
| 9    | Current Consumption      | mA    | 2600                    | Maximum                                 |
| 10   | Operating Temperature    | °C    | -10 to +50              | Baseplate                               |
| 11   | Humidity                 |       | 95% Non Condensing      |                                         |
| 12   | Dimensions               | mm    | 96 x 49 x 12.5 (approx) | (Excluding connectors)                  |
| 13   | Connectors               |       | SMA Female              |                                         |
| 14   | Weight                   | g     | 150                     | Typical                                 |

