

Broadband High Power Amplifier

Product Name : RCA2600H52B

Doc. Name : General Spec.

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| <p style="text-align: center;">General Specification for RCA2600H52B</p> |
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| Created | Printed | Document Number | Revision | Manufacturer |
|--------------------------------------|-----------|-----------------|----------|-----------------------|
| 2014/2/20 | 2014/2/21 | | A | RFcore co.,Ltd |
| File : RCA2600H52B General Spec.docx | | | | |

The Specifications is subject to change before finalization

Customer Service: Tel. 82-31-708-7575

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| ELECTRICAL SPECIFICATIONS | | @ 50 Ohms load, 28 Vdc, Tc = 35 °C |
|-----------------------------------|------------------------|---|
| Parameter | Specification | Remark |
| Frequency Range | 2620 ~ 2695 MHz | |
| Saturated Output Power | 150 W min. | |
| Small Signal Gain | 55 ± 1 dB | Input Level = - 15 dBm |
| Small Signal Gain Flatness | Peak to Peak 2 dB | Input Level = - 15 dBm |
| Maximum Input Power for no damage | 5 dBm max | |
| Input / Output VSWR | Less than 1.5 : 1 | |
| Current Consumption | 20 A max. | @ Pout = 150 W |
| DC Input Voltage | 28 ± 1 V | |
| I/O Map | 1. N.C | |
| | 2. Temperature Monitor | VT=(0.02*Tc)+1V Tc = Case Temperature± 5°C |
| | 3. Enable (Active Low) | Pulled up @ 5 V with 10 kohm |
| | 4. N.C | |
| | 5. VSWR Fail Alarm | Alarm : TTL High |
| | 6. GND | |
| | 7. Power Monitor | 3.5 ± 0.3 V @ 52 dBm, Log slope : 0.1V/dB Vpin7 = 3.5-(52-Pout) * 0.1 ± 0.3 V |
| | 8. N.C | |
| | 9. N.C | |

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| ENVIRONMENTAL SPECIFICATIONS | | |
|------------------------------|---------------|--------|
| Parameter | Specification | Remark |
| Operating Case Temperature | -20 ~ 70 °C | |
| Storage Temperature | -40 ~ 85 °C | |

| MECHANICAL SPECIFICATIONS | | |
|---------------------------|--|--------|
| Parameter | Specification | Remark |
| Dimension | 250 * 170 *28 mm | |
| RF Input Connector | SMA Female | |
| RF Output Connector | N- Female | |
| DC Power Connector | D – SUB 3W3P(A1 : Vcc, A2 : GND, A3 : N.C) | |
| Control Connector | D – SUB 9Pin Male | |
| Cooling | Adequate Heat-sink required | |

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