

# SGC Technologies Inc.

## Wireless and Internet Communications

### Head Office & Factory

212-2 Maeryoo-Ri, Neungseo-Myun, Yeosu-Kun, Kyungki-Do, Korea 469-810

Tel:82-31-884-0236~8 Fax:82-31-884-0239

e-mail:sales@sgctech.co.kr web page: www.sgctech.co.kr

### Item : Cavity Duplexer for UMTS

**P/N : SGC-DB2160-20NS-KT**

### Duplexer Specification

|                             |                                          |                     |
|-----------------------------|------------------------------------------|---------------------|
| P/N : SGC-DB2160-20NS-KT    |                                          |                     |
| Electrical Properties       |                                          |                     |
| Parameter                   | Rx                                       | Tx                  |
| Frequency Range             | 1960 – 1980MHz                           | 2150 – 2170MHz      |
| Pass Band Insertion Loss    | 1.8dB(Max)                               | 1. 8dB(Max)         |
| Pass Band Return Loss       | 1.2dB(Typ),1.5(Tem)                      | 1.3dB(Typ),1.5(Tem) |
| Pass Band Ripple            | 0.5dB(Max)                               | 0.7dB(Max)          |
| Isolation                   | 105dB(Min)                               |                     |
| Attenuation(edge±3MHz)      | 20dB(Min) )                              |                     |
| Attenuation(edge±5MHz)      | 54dB(Min) )                              |                     |
| In/ Out Impedance           | 50Ω                                      |                     |
| Monitor Port                | 30dB                                     |                     |
| Input Power Range           | 100W                                     |                     |
| Overall                     |                                          |                     |
| Antenna Port Connectors     | N-Type Female                            |                     |
| Tx Port Connectors          | N-Type Female                            |                     |
| Rx Port Connectors          | N-Type : RX2(IN), SMA : RX2(OUT),RX1     |                     |
| Monitor Port Connectors     | N-Type Female                            |                     |
| Relative Humidity           | 0 ~ 95%                                  |                     |
| Operating Temperature Range | -30℃ to +60℃                             |                     |
| Size                        | 167 × 104 × 88 (L × W × H)      unit: mm |                     |