

# CAVITY DUPLEXER

**PART NO. : WVC-2510D2630-20M01**

◆ APPLICATION

> for use in LTE Band System

◆ FEATURE

> High Reliability  
> **RoHS Compliant**

◆ ELECTRICAL SPECIFICATION

| ITEM                 | SPECIFICATION                                                               |                                |
|----------------------|-----------------------------------------------------------------------------|--------------------------------|
| Frequency Range      | TX                                                                          | RX                             |
|                      | 2620MHz ~ 2640MHz                                                           | 2500MHz ~ 2520MHz              |
| Insertion Loss       | 1.0dB Max                                                                   | 1.0dB Max                      |
| Passband Ripple      | 0.5dB Max                                                                   | 0.7dB Max                      |
| Rejection            | 30dB Min<br>@2525MHz ~ 2550MHz<br>50dB Min<br>@2650MHz ~ 2680MHz            | 30dB Min<br>@2620MHz ~ 2640MHz |
| Group Delay          | 60nS Max                                                                    | 30nS Max                       |
| Passband Return Loss | 18.0 dB Min                                                                 |                                |
| In/Out Impedance     | 50 Ohms nominal                                                             |                                |
| Power Handling(CW)   | Average :20W RMS Max<br>Peak : (200W, 10dB peak to average OFDM signal) Max |                                |

◆ ENVIRONMENTAL SPECIFICATIONS

| ITEM                  | SPECIFICATION  |
|-----------------------|----------------|
| Operating Temperature | -40°C to +85°C |
| Application           | Outdoor, IP67  |

◆ MECHANICAL SPECIFICATIONS

| ITEM         | SPECIFICATION                   |
|--------------|---------------------------------|
| Dimension    | 162.0 X 126.0 X 56.0(Unit : mm) |
| Mounting     | Pole and Wall                   |
| RF Connector | N-type Female Connector         |
| Finish       | Gray color epoxy coating        |

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## ◆ OUTLINE DRAWING

