

## Z6CCOM & Z8CCOM Series

### 6-8 channel cavity combiner, N-type female terminated

### UHF 400-520 MHz



The 6 or 8 channel cavity combiners allows for 6 or 8 signal inputs to be combined into one output for your transmit antenna.

Used by logistics, mining, security, petrochemical as well as Defence and emergency services.

ZCG also have filters, combiners, duplexers, multicouplers and compatible antennas and coaxial cable available to complete your system.

|                              |                                                          |                                 |
|------------------------------|----------------------------------------------------------|---------------------------------|
| SKU - 6 channel              | Z6CCOM-400-470                                           | Z6CCOM-470-520                  |
| SKU - 8 channel              | Z8CCOM-400-470                                           | Z8CCOM-470-520                  |
| Frequency range              | 400-470 MHz                                              | 470-520 MHz                     |
| Working bandwidth            | 5 MHz - typical                                          |                                 |
| Minimum channel spacing      | ≤250 kHz                                                 |                                 |
| Insertion loss               | Typical ≤6.5 dB                                          |                                 |
| Isolation                    | Port to Port: ≥75 dB<br>Opposite: ≥65 dB                 |                                 |
| Rejection                    | ≥5dB @ΔF ≥±200kHz<br>≥15dB @ΔF ≥±1MHz<br>≥30dB @ΔF≥±5MHz |                                 |
| Suppression                  | Typical ≥80dB                                            |                                 |
| OIP3                         | ≥80dBm                                                   |                                 |
| Continuous power per channel | 100 Watts                                                |                                 |
| VSWR                         | Input: ≤1.25:1<br>Output: ≤1.5:1                         | Input: ≤1.5:1<br>Output: ≤1.8:1 |
| Impedance                    | 50 Ohms                                                  |                                 |
| Connector                    | Inputs: 6 or 8 x N-type female<br>Output: N-type female  |                                 |
| Operating temperature        | -30°C to +75°C                                           |                                 |
| Dimensions                   | Width: 440mm, Height: 530mm, Depth: 330mm                |                                 |
| Weight                       | 36.0kg                                                   |                                 |

