

## Outdoor Wide-band Directional Coupler

### PM-AS-DC-KHxx-OQ500C60-LX (xx=05,06...or 30, Preconfigured Coupling Value)

5,6,7,8,10,12,13,15,20,30dB,698-4000MHz,4.3-10 Female,500W

- Wide-band design covers 698-4000MHz range
- Low main line loss with high reliability

#### Electrical Specifications

| Parameters          | Unit | Specifications                    |                                   |                               |                                   |                               |
|---------------------|------|-----------------------------------|-----------------------------------|-------------------------------|-----------------------------------|-------------------------------|
|                     |      | PM-AS-DC-KH<br>05-OQ500C60-<br>LX | PM-AS-DC-KH<br>06-OQ500C60-<br>LX | PM-AS-DC-KH0<br>7-OQ500C60-LX | PM-AS-DC-KH<br>08-OQ500C60-<br>LX | PM-AS-DC-KH1<br>0-OQ500C60-LX |
| Frequency Range     | MHz  | 698-4000                          |                                   |                               |                                   |                               |
| Coupling Value      | dB   | 5                                 | 6                                 | 7                             | 8                                 | 10                            |
| Coupling Tolerance  | dB   | ±1.0                              | ±1.0                              | ±1.0                          | ±1.0                              | ±1.0                          |
| Insertion Loss      | dB   | ≤2.1                              | ≤1.75                             | ≤1.5                          | ≤1.4                              | ≤1.1                          |
| Isolation           | dB   | ≥23                               | ≥24                               | ≥25                           | ≥26                               | ≥28                           |
| Input Port VSWR     |      | ≤1.3                              |                                   |                               |                                   |                               |
| PIM3 at 2x43 dBm    | dBc  | ≤-160                             |                                   |                               |                                   |                               |
| Impedance           | Ω    | 50                                |                                   |                               |                                   |                               |
| Input Average Power | W    | 500                               |                                   |                               |                                   |                               |

| Parameters          | Unit | Specifications                    |                                   |                               |                               |                                   |
|---------------------|------|-----------------------------------|-----------------------------------|-------------------------------|-------------------------------|-----------------------------------|
|                     |      | PM-AS-DC-KH<br>12-OQ500C60-<br>LX | PM-AS-DC-KH<br>13-OQ500C60-<br>LX | PM-AS-DC-KH1<br>5-OQ500C60-LX | PM-AS-DC-KH2<br>0-OQ500C60-LX | PM-AS-DC-KH<br>30-OQ500C60-<br>LX |
| Frequency Range     | MHz  | 698-4000                          |                                   |                               |                               |                                   |
| Coupling Value      | dB   | 12                                | 13                                | 15                            | 20                            | 30                                |
| Coupling Tolerance  | dB   | ±1.0                              | ±1.0                              | ±1.2                          | ±1.2                          | ±1.2                              |
| Insertion Loss      | dB   | ≤1.0                              | ≤0.75                             | ≤0.6                          | ≤0.4                          | ≤0.3                              |
| Isolation           | dB   | ≥29                               | ≥31                               | ≥35                           | ≥38                           | ≥46                               |
| Input Port VSWR     |      | ≤1.3                              |                                   |                               |                               |                                   |
| PIM3 at 2x43 dBm    | dBc  | ≤-160                             |                                   |                               |                               |                                   |
| Impedance           | Ω    | 50                                |                                   |                               |                               |                                   |
| Input Average Power | W    | 500                               |                                   |                               |                               |                                   |

#### Mechanical Specifications

| Parameters               | Unit | Specifications |
|--------------------------|------|----------------|
| Product Dimension, HxWxD | mm   | 170x72x36      |
| Product Weight           | kg   | 0.68           |
| Connector Type           |      | 4.3-10 Female  |
| Operational Temperature  | °C   | -30~+65        |
| Environmental Protection |      | IP65           |

## Outline Drawing

