

# Antenna Switches: Discretes and Modules

## For 3G/4G Wireless Broadband and Mobile Handset Applications

| Part Number / Description | Linear TRx Ports | Rx Ports | Rx SAW | Typ. IL TRx/Tx @ 2.0 GHz (dB) | Typ. Isolation (dB) | IMD (dBm) | H2/H3 Typ. (dBm) | Package (mm) |
|---------------------------|------------------|----------|--------|-------------------------------|---------------------|-----------|------------------|--------------|
|---------------------------|------------------|----------|--------|-------------------------------|---------------------|-----------|------------------|--------------|

### SP8T–SP10T Antenna Switch Modules—With GSM Harmonic Filter

|                                                 |   |   |     |           |     |       |         |                   |
|-------------------------------------------------|---|---|-----|-----------|-----|-------|---------|-------------------|
| <b>SKY14152</b> SP8T, DCS Rx SAW filter         | 5 | 1 | Yes | -0.6/-1.1 | -30 | -103  | -40/-45 | MCM 20L 3.2 x 3.2 |
| <b>SKY18106-455LF</b> SP8T, SPI DigRF interface | 6 | 0 | No  | -0.6/-0.9 | -30 | -106  | -50/-45 | QFN 26L 3.0 x 3.8 |
| <b>SKY18107-455LF</b> SP8T, SPI MIPI interface  | 6 | 0 | No  | -0.6/-0.9 | -30 | -106  | -50/-45 | QFN 26L 3.0 x 3.8 |
| <b>SKY18110</b> SP8T, GPIO logic                | 6 | 0 | No  | -0.8/-0.9 | >35 | <-102 | -45/-42 | MCM 20L 3.2 x 3.2 |
| <b>SKY18116</b> SP8T, small form factor         | 6 | 0 | No  | -0.8/-0.9 | >35 | <-102 | -45/-42 | MCM 18L 3.2 x 2.5 |
| <b>SKY18108</b> SP9T, WCDMA and TD-SCDMA        | 3 | 4 | No  | -0.8/-0.9 | >35 | <-102 | -45/-42 | MCM 20L 3.2 x 2.5 |
| <b>SKY13364-389LF</b> SP10T                     | 4 | 4 | No  | -0.6/-1.0 | >35 | <-105 | -40/-40 | QFN 26L 3.0 x 3.8 |
| <b>SKY13362-389LF</b> SP10T                     | 5 | 3 | No  | -0.7/-1.1 | >35 | <-105 | -40/-40 | QFN 26L 3.0 x 3.8 |
| <b>SKY13378-389LF</b> SP10T, MIPI interface     | 5 | 3 | No  | -0.7/-1.1 | >35 | <-105 | -40/-40 | QFN 26L 3.0 x 3.8 |
| <b>SKY18118</b> SP10T, Rx FEM                   | 5 | 3 | Yes | -0.8/-0.9 | >35 | <-102 | -45/-42 | MCM 20L 3.5 x 3.2 |
| <b>SKY13402-466LF</b> SP10T                     | 6 | 2 | No  | -0.7/-1.1 | >35 | <-105 | -48/-42 | QFN 26L 2.6 x 3.4 |

| Part Number / Description | Linear TRx Ports | GSM Rx Ports | GSM Harmonic Filter | GSM Rx Band SAW Filter | Typ. IL TRx/Tx @ 2.0 GHz (dB) | Typ. Isolation (dB) | IMD (dBm) | H2/H3 Typ. (dBm) | 1.8 V Logic Compatible | Package (mm) |
|---------------------------|------------------|--------------|---------------------|------------------------|-------------------------------|---------------------|-----------|------------------|------------------------|--------------|
|---------------------------|------------------|--------------|---------------------|------------------------|-------------------------------|---------------------|-----------|------------------|------------------------|--------------|

### SP2T–SP6T Rx Diversity, Band, Mode Switch, and Differential Rx Switch

|                                            |   |   |    |     |           |          |       |         |     |                   |
|--------------------------------------------|---|---|----|-----|-----------|----------|-------|---------|-----|-------------------|
| <b>SKY13374-397LF</b> SP2T                 | 2 | – | –  | No  | 0.5       | >28      | –     | -50/-50 | –   | QFN 16L 2.0 x 2.0 |
| <b>SKY13373-460LF</b> SP3T                 | 3 | – | –  | No  | 0.5       | >23      | –     | -50/-50 | –   | QFN 12L 2.0 x 2.0 |
| <b>SKY13388-465LF</b> SP4T                 | 4 | – | No | No  | 0.5       | >25      | –     | -45/-45 | Yes | QFN 12L 2.0 x 2.0 |
| <b>SKY13380-350LF</b> SP4T                 | 4 | – | –  | No  | 0.4       | >23      | <-115 | -45/-45 | –   | QFN 16L 3.0 x 3.0 |
| <b>SKY18105</b> SP4T, Rx diversity, FEM    | 0 | 4 | –  | Yes | -2.1/-3.3 | Filtered | -100  | –       | –   | MCM 18L 4.5 x 4.5 |
| <b>SKY13358-388LF</b> SP5T                 | 5 | – | –  | No  | 0.7       | >27      | <-102 | -50/-45 | –   | QFN 16L 2.3 x 2.3 |
| <b>SKY13360-388LF</b> SP6T                 | 6 | – | No | No  | 0.5       | >23      | < 100 | -40/-40 | Yes | QFN 16L 2.3 x 2.3 |
| <b>SKY13354-368LF</b> DP4T                 | 0 | 2 | No | No  | 0.5       | > 23     | –     | –       | No  | QFN 12L 2.0 x 2.0 |
| <b>SKY13397-388LF</b> DP5T, 3G band switch | 5 | – | –  | No  | 0.4       | >32      | –     | -50/-50 | –   | QFN 16L 2.3 x 2.3 |

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