

# Wireless Control Product Portfolio

## ASK/FSK Transmitter



| Transmitter  | automotive qualified |   |   |           |           |         |
|--|----------------------|---|---|-----------|-----------|---------|
| <ul style="list-style-type: none"> <li>+5dBm</li> <li>-40°C - 125°C</li> </ul>   | ✓                    | TSSOP-10  | TDK 5101F   | TDK 5100F |           |         |
| <ul style="list-style-type: none"> <li>+10dBm</li> <li>-40°C - 125°C</li> </ul>  | ✓                    |   | TDK 5111F   | TDK 5110F | TDK 5116F |         |
| <ul style="list-style-type: none"> <li>+10dBm</li> <li>-40°C - 85°C</li> </ul>   |                      |   |   | TDA 7110F | TDA 7116F |         |
| <ul style="list-style-type: none"> <li>+5dBm</li> <li>-20°C - 70°C</li> </ul>  |                      |   |   | TDA 7100  |           |         |
| <ul style="list-style-type: none"> <li>+5dBm</li> <li>-40°C - 125°C</li> </ul>   | ✓                    | TSSOP-16  | TDK 5101  | TDK 5100  |           |         |
| <ul style="list-style-type: none"> <li>+10dBm</li> <li>-40°C - 125°C</li> </ul>  | ✓                    |   | TDK 5111  | TDK 5110  |           |         |
| <ul style="list-style-type: none"> <li>+5dBm</li> <li>-25°C - 85°C</li> </ul>  | ✓                    |   |   | TDA 5103  | TDA 5102  |         |
| <ul style="list-style-type: none"> <li>+10dBm</li> <li>-40°C - 85°C</li> </ul>   |                      |   |   | TDA 7110  |           |         |
| <b>SmartLEWIS™ TX</b>  |                      | TSSOP-10  | TDA 5150 *  |           |           |         |
| <ul style="list-style-type: none"> <li>Multi-channel (<math>\Sigma\Delta</math> fractional-N PLL)</li> <li>+5/8/10dBm</li> <li>-40°C - 85°C</li> </ul> | ✓                    |   |   |           |           |         |
| <b>SmartLEWIS™ MCU</b>   |                      | TSSOP-38  | PMA 5110, PMA 5105 *  |           |           |         |
| <ul style="list-style-type: none"> <li>Transmitter + integrated MCU</li> <li>+5/8/10dBm</li> <li>-40°C - 125°C</li> </ul>                              | ✓                    |   | Depending on variant an integrated LF receiver and ADC is offered |           |           |         |
| <ul style="list-style-type: none"> <li>Transmitter + integrated MCU</li> <li>+5/8/10dBm</li> <li>-40°C - 85°C</li> </ul>                               |                      | PMA 7110, PMA 7107, PMA 7106, PMA 7105 *                          |   |           |           |         |
|  |                      | Depending on variant an integrated LF receiver and ADC is offered |   |           |           |         |
|  |                      | 315 MHz   | 345 MHz   | 434 MHz   | 868 MHz   | 915 MHz |

\* These multi-band devices do not include the 345MHz band.

# Wireless Control Product Portfolio

## ASK/FSK Receiver



| Receiver  | automotive qualified |          |  |           |                          |         |         |
|---|----------------------|----------|--|-----------|--------------------------|---------|---------|
| <ul style="list-style-type: none"> <li>• ASK only</li> <li>• -40°C - 85°C</li> </ul>  | ✓                    | TSSOP-28 | TDA 5201                                     | TDA 5200  |                          |         |         |
| <ul style="list-style-type: none"> <li>• Integrated switch</li> <li>• -40°C - 105°C</li> </ul>  | ✓                    | TSSOP-28 | TDA 5211                                     | TDA 5210  | TDA 5212<br>-40°C - 85°C |         |         |
| <ul style="list-style-type: none"> <li>• Switchable peak Detector</li> <li>• -40°C - 105°C</li> </ul>   | ✓                    | TSSOP-28 | TDA 5221                                     | TDA 5220  |                          |         |         |
| <ul style="list-style-type: none"> <li>• Integrated switch</li> <li>• -40°C - 85°C</li> </ul>   |                      | TSSOP-28 |  | TDA 7210  |                          |         |         |
|   |                      | VQFN-32  |  | TDA 7210V |                          |         |         |
| <ul style="list-style-type: none"> <li>• Switchable peak Detector</li> <li>• -20°C - 70°C</li> </ul>  |                      | TSSOP-28 |  | TDA 7200  |                          |         |         |
| <b>SmartLEWIS™ RX+</b>  |                      |          |  |           |                          |         |         |
| <ul style="list-style-type: none"> <li>• <b>High Sensitivity Receiver</b></li> <li>• Multi-band</li> <li>• autonomous RX functionality</li> <li>• -40°C - 105°C</li> </ul>          | ✓                    | TSSOP-28 | TDA 5240 * Multi-channel + digital baseband  |           |                          |         |         |
|   | ✓                    | TSSOP-28 | TDA 5235 * Single Channel + digital baseband |           |                          |         |         |
|   | ✓                    | TSSOP-28 | TDA 5225 * Multi-channel                     |           |                          |         |         |
| <b>SmartLEWIS™ RX</b>   |                      |          |  |           |                          |         |         |
| <ul style="list-style-type: none"> <li>• <b>Receiver + Digital baseband MAC</b></li> <li>• Multi-Channel</li> <li>• autonomous RX functionality</li> <li>• -40°C - 105°C</li> </ul> | ✓                    | TSSOP-28 | TDA 5231                                     | TDA 5230  |                          |         |         |
|   |                      |          | 315 MHz                                      | 345 MHz   | 434 MHz                  | 868 MHz | 915 MHz |

\* These multi-band devices do not include the 345MHz band.

# Wireless Control Product Portfolio

## ASK/FSK Transceiver



### Transceiver

- ASK /FSK
- Single Channel
- -40°C - 85°C



TSSOP-38

TDA 5251

TDA 5255

TDA 5250

TDA 5252

VQFN-40

TDA 7255V

315 MHz

345 MHz

434 MHz

868 MHz

915 MHz