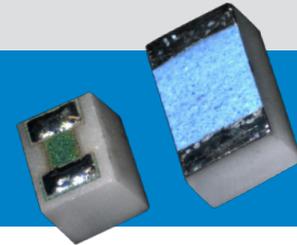




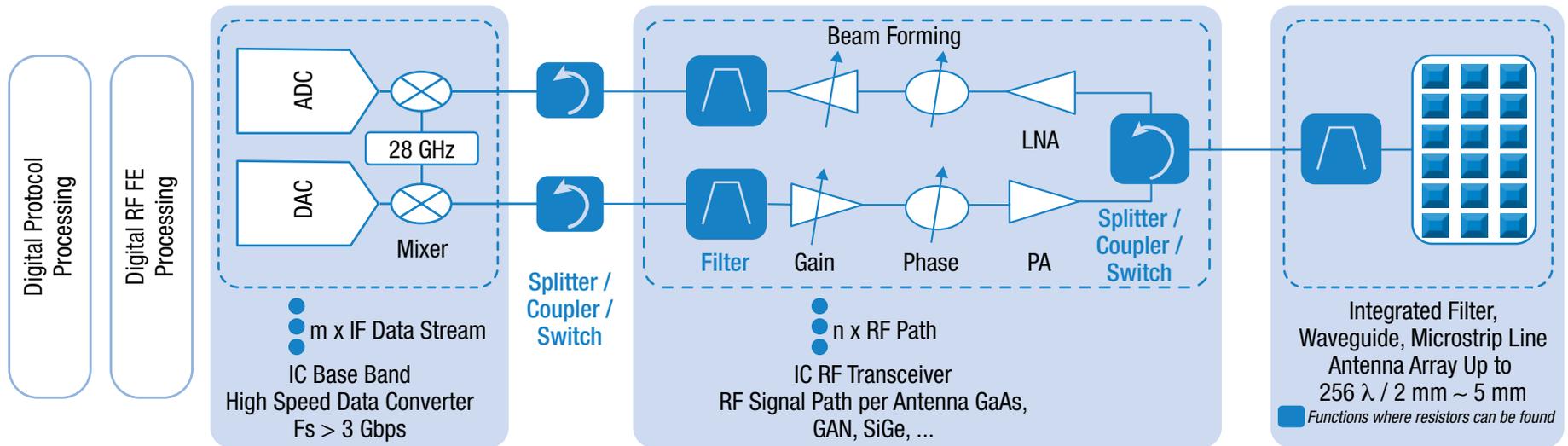
The DNA of tech.™

THE VISHAY ADVANTAGE AND WHY IT MATTERS... HIGH FREQUENCY APPLICATIONS

CH Series Microwave Resistors



Base Station RF 28 GHz (ZIF Transceiver)



Product Family	Advantage	Why it Matters (Benefit to the Engineer)	Where Should it Be Considered	Best Parameter / Example
CH Series	High performance up to 70 GHz	CH series offers a behavior close to a pure resistor in a large frequency range	RF applications where excellent microwave behavior is needed	Almost flat $ Z /R$ curve for CH02016-50 Ω flip chip vs frequency

Other Customer Benefits	How Is This Achieved?	Example Device / Details	Comments
Enhanced flip chip termination performance	Flip chip termination shortens the length of the signal path, reducing the parasitic inductance	CH0402-50 Ω flip chip = 47 Ω at 50 GHz CH0402-50 Ω wrap = 74 Ω at 50 GHz Flip chip is closer to 50 Ω nominal value	Reducing parasitic inductance makes the CH resistor more like a "pure resistor"
CH02016 in tape and reel packaging	Tape and reel especially adapted to small size of the resistor	The 0216 case size is available for high volume orders	Quantity can be adapted to the customer's need