

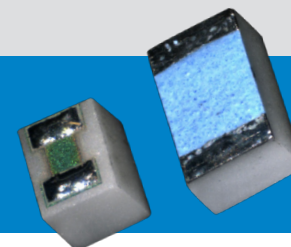


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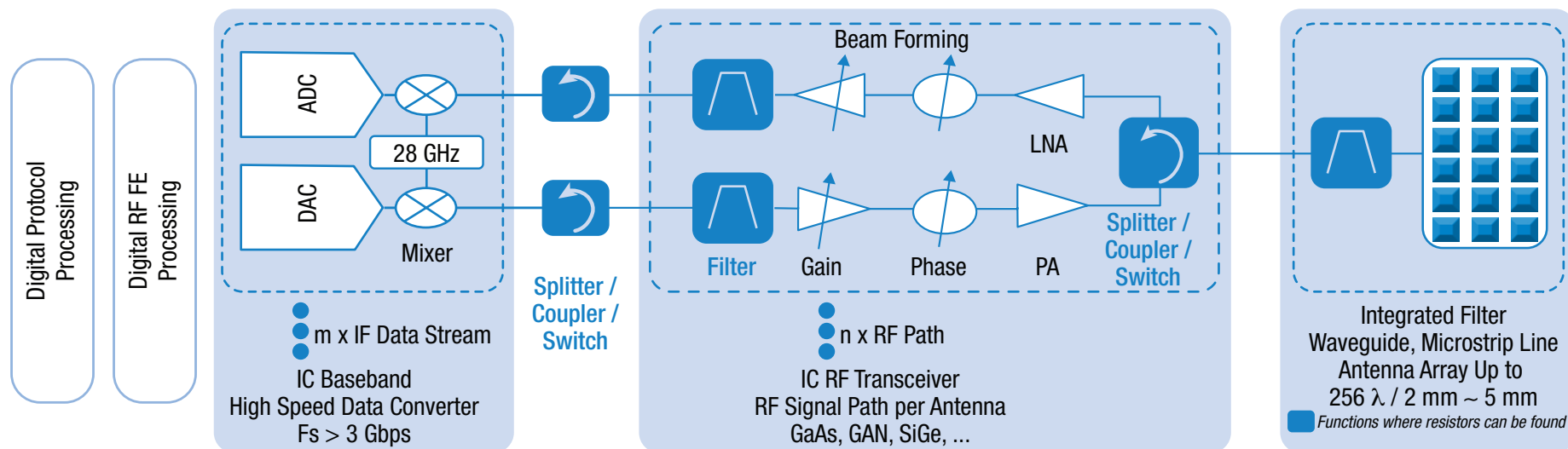
THE VISHAY ADVANTAGE AND WHY IT MATTERS...

HIGH FREQUENCY APPLICATIONS

CH / CHA 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 / CHA Series	High performance up to 70 GHz	The CH / CHA series offers behavior close to a pure resistor over a large frequency range	RF applications where excellent microwave behavior is needed	Almost flat Z /R curve for the CH / CHA02016, 50 Ω flip-chip vs frequency

Other Customer Benefits	How Is This Achieved?	Example Device / Details	Comments
Enhanced flip-chip termination performance	The flip-chip termination shortens the length of the signal path, reducing the parasitic inductance	CH / CHA0402: 50 Ω flip-chip = 47 Ω at 50 GHz CH / CHA0402: 50 Ω wrap = 74 Ω at 50 GHz Flip-chip is closer to 50 Ω nominal value	Reducing parasitic inductance makes the CH / CHA resistor more like a “pure resistor”
CH / CHA02016 in tape and reel packaging	Tape and reel packaging especially adapted to the small size of the resistor	The 0216 case size is available for high volume orders	The quantity can be adapted to the customer's need