

Parameters for IC – Why ICs are so important for the EMC of Electrical Devices

Short description

Apart from the layout and housing design, the characteristics of the ICs used play a key role for the EMC characteristics of devices. Reducing the size of the structure, operating voltages and operating points makes the ICs much more sensitive. If one approaches or even surpasses the 100 nm limit, the immunity compared to earlier ICs is reduced, a trend that is reflected in the device behaviour.