Outgoing Quality – 100% Final Test of IGBT Modules

All IGBT modules manufactured by Infineon at the production sites Warstein and Cegléd are subjected to a 100% electrical final test at least of the following parameters (according to IEC 60747-2 and IEC 60747-9, at T_{vj} = 25°C unless otherwise specified):

RBSOA	Reverse Bias Safe Operating Area, IGBT turn off with 2 × $I_{C\,nom}$ at T_{vj} ≥ 125°C
V_{CES}	Breakdown voltage test
$V_{GE\,th}$	Gate-emitter threshold voltage
I_{CES}	Collector leakage current
I_{GES}	Gate-emitter leakage current
$V_{CE\,sat}$	Collector-emitter saturation voltage
V_F	Diode forward voltage
V_{ISOL}	Insulation test according to IEC 60747-15 and UL 1557

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