



1200V  
300A

Motion/sevo control  
High frequency switching application  
UPS (Uninterruptible Power Supplies)  
Welding machine



Low  $V_{CE(sat)}$  with Trench technology  
Low switching losses especially  $E_{off}$   
 $V_{CE(sat)}$  with positive temperature coefficient  
High short circuit capability(10us)  
Including ultra fast & soft recovery anti-parallel FWD  
Low inductance package  
Maximum junction temperature 175



Gate-emitter Threshold Voltage	$V_{GE(th)}$	$V_{GE}=V_{CE}, I_C=11mA, T_{vj}=25$	5.2	5.8	6.4	V
Collector-Emitter Cut-off Current	$I_{CES}$	$V_{CE}=1200V, V_{GE}=0V, T_{vj}=25$			1.0	mA
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=300A, V_{GE}=15V, T_{vj}=25$		1.90	2.30	V













