

## SIM400D06AV3

Absolute Maximum Ratings @ $T_c=25^\circ\text{C}$  (per leg, for reference only)

Type	$I_C$ @ $T_c=80^\circ\text{C}$ A	$V_{CES}$ V	$V_{GES}$ V	$I_{CP}$ A	$I_F$ (diode) @ $T_c=80^\circ\text{C}$ A	$I_{FM}$ (diode) A	$t_p$		$V_{ISO}$ @AC 1min V	$T_j$ $^\circ\text{C}$	$T_{stg}$ $^\circ\text{C}$	Outline
							$\mu\text{s}$	$T_c$ $^\circ\text{C}$				
SIM400D06AV3	400	600	$\pm 20$	800	400	800	6	150	2500	-40~ 150	-40~ 125	HV3
							8	25				

Static Characteristics @ $T_j=25^\circ\text{C}$  (for reference only)

Type	$V_{CE(ON)}$ @ $I_C=400\text{A}$ $V_{GE}=15\text{V}$ V	$V_{GE(th)}$ @ $V_{CE}=V_{GE}$ $I_C=8\text{mA}$ V	$I_{CES}$ @ $V_{GE}=0\text{V}$ $V_{CE}=600\text{V}$ mA	$I_{GES}$ @ $V_{CE}=0\text{V}$ $V_{GE}=20\text{V}$ $\mu\text{A}$	$V_{FM}$ (diode) @ $I_F=400\text{A}$ V	$R_{GINT}$ $\Omega$	$C_{ies}$ pF	$t_{d(on)}$ ns	$t_r$ ns	$t_{rr}$ (diode) ns	$Q_{rr}$ (diode) $\mu\text{C}$
SIM400D06AV3	1.95	6.5	5.0	0.4	2.0	1	24670	145	60	125	20.3

