



HERMETIC IGBTs in TO-254 & TO-258 PACKAGES



HYPER FAST IGBT DEVICES

PART NUMBER	V _{CEs}	CONTINUOUS COLLECTOR CURRENT I _c @ T _c =90°C	CONTINUOUS COLLECTOR CURRENT I _c @ T _c =25°C	PULSED COLLECTOR CURRENT I _c T _c =25°C, 1 ms	V _{CE(sat)} @I _c		C _{iss} typ	t _{fi} typ 25°C	MAXIMUM P _D @ T _c =25°C	R _{θJC}	PACKAGE STYLE
	Volts	Amps	Amps	Amps	V	A	pF	ns	Watts	°C/W	
SHDG1001	300	30	60	120	1.6	30	2500	180	265	0.47	
SHDG1002	600	24	48	96	2.5	24	1500	100	162	0.77	

HIGH SPEED IGBT DEVICES


PART NUMBER	V _{CEs}	CONTINUOUS COLLECTOR CURRENT I _c @ T _c =90°C	CONTINUOUS COLLECTOR CURRENT I _c @ T _c =25°C	PULSED COLLECTOR CURRENT I _c T _c =25°C, 1 ms	V _{CE(sat)} @I _c		C _{iss} typ	t _{fi} typ 25°C	MAXIMUM P _D @ T _c =25°C	R _{θJC}	PACKAGE STYLE
	Volts	Amps	Amps	Amps	V	A	pF	ns	Watts	°C/W	
SHDG1003	600	30	60	120	1.8	30	2500	130	265	0.47	
SHDG1004	600	40	75	150	3.0	40	4500	300	357	0.35	
SHDG1005	600	50	75	200	2.5	50	4000	180	357	0.35	
SHDG1006	1000	10	20	40	4.0	10	750	500	110	1.13	
SHDG1007	1000	17	34	68	4.0	17	1500	450	176	0.71	
SHDG1008	1200	25	50	100	4.0	25	2750	800	265	0.47	



HIGH SPEED, IMPROVED SCSOA IGBT DEVICES

PART NUMBER	V _{CEs}	CONTINUOUS COLLECTOR CURRENT I _c @ T _c =90°C	CONTINUOUS COLLECTOR CURRENT I _c @ T _c =25°C	PULSED COLLECTOR CURRENT I _c T _c =25°C, 1 ms	V _{CE(sat)} @I _c		C _{iss} typ	t _{fi} typ 25°C	MAXIMUM P _D @ T _c =25°C	R _{θJC}	PACKAGE STYLE
	Volts	Amps	Amps	Amps	V	A	pF	ns	Watts	°C/W	
SHDG1009	600	24	48	96	2.7	24	1500	275	162	0.77	
SHDG1010	600	50	75	200	2.5	50	4000	200	357	0.35	
SHDG1011	1200	35	70	140	4.0	35	3900	500	357	0.35	

(Hermetic IGBTs, continued on next page.)

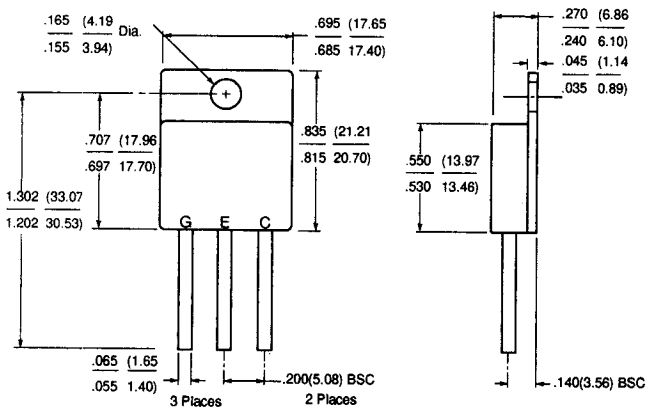
HERMETIC IGBTs in TO-254 & TO-258 PACKAGES (Continued)

LOW $V_{CE(sat)}$ IGBT DEVICES											
PART NUMBER	V_{CES}	CONTINUOUS COLLECTOR CURRENT I_c @ $T_c=90^\circ C$	CONTINUOUS COLLECTOR CURRENT I_c @ $T_c=25^\circ C$	PULSED COLLECTOR CURRENT I_c @ $T_c=25^\circ C$ 1 ms	$V_{CE(sat)}@I_c$		C_{iss} typ	t_{fi} typ 25°C	MAXIMUM P_D @ $T_c=25^\circ C$	$R_{\theta JC}$	PACKAGE STYLE
	Volts	Amps	Amps	Amps	V	A	pF	ns	Watts	°C/W	
SHDG1012	600	60	75	200	1.8	60	4000	500	357	0.35	
SHDG1013	1200	25	50	100	3.0	25	2750	1200	265	0.47	

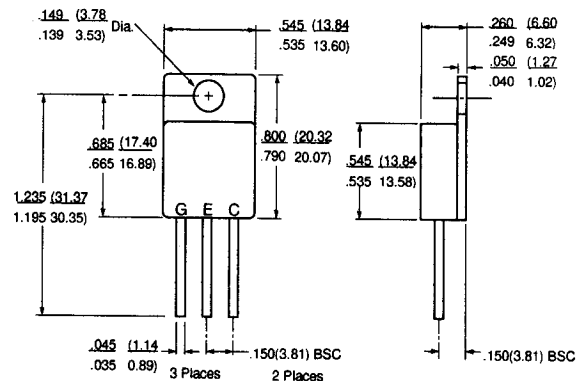
LOW $V_{CE(sat)}$ IMPROVED SCSOA IGBT DEVICES											
PART NUMBER	V_{CES}	CONTINUOUS COLLECTOR CURRENT I_c @ $T_c=90^\circ C$	CONTINUOUS COLLECTOR CURRENT I_c @ $T_c=25^\circ C$	PULSED COLLECTOR CURRENT I_c @ $T_c=25^\circ C$ 1 ms	$V_{CE(sat)}@I_c$		C_{iss} typ	t_{fi} typ 25°C	MAXIMUM P_D @ $T_c=25^\circ C$	$R_{\theta JC}$	PACKAGE STYLE
	Volts	Amps	Amps	Amps	V	A	pF	ns	Watts	°C/W	
SHDG1014	600	30	50	100	2.5	30	2760	400	265	0.47	
SHDG1015	1000	25	50	100	3.5	25	2850	1200	265	0.47	

Notes:

1- **Bold part numbers** indicate preferred devices.



TO-258



TO-254