



General Description:

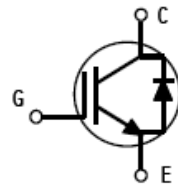
Using CRM's proprietary trench design, advanced FS(field stop) technology and integrated with Free Wheeling Diode, the 1350V Trench FS IGBT offers superior conduction and switching performances, high avalanche ruggedness.

V_{CES}	1350	V
I_C	25	A
$P_{tot}(T_C=25^{\circ}C)$	208	W
$V_{CE(SAT)}$	1.95	V

Features:

- Trench FS Technology, Positive temperature coefficient
- Low saturation voltage: $V_{CE(sat)}$, typ =1.95V
@ $I_C=25A$
- Extremely enhanced avalanche capability

TO-247



Applications:

Power switch circuit of induction cooker(IH).

Ordering Information

Part Number	Package	Marking	Delivery mode
CRG25T135BKR3S	TO-247	G25T135BKR3S	Tube

Absolute Maximum Ratings

($T_J=25^{\circ}C$ unless otherwise specified):

Symbol	Parameter	Rating	Units
V_{CES}	Collector-Emitter Voltage	1350	V
V_{GES}	Gate- Emitter Voltage	± 20	V
I_C	Collector Current@ $T_C = 25^{\circ}C$	50	A
	Collector Current @ $T_C = 100^{\circ}C$	25	A
I_{CM}^{a1}	Pulsed Collector Current@ $T_C = 25^{\circ}C$	75	A
I_F	Diode Continuous Forward Current @ $T_C = 100^{\circ}C$	25	A
I_{FM}	Diode Maximum Forward Current@ $T_C = 25^{\circ}C$	75	A
P_D	Power Dissipation @ $T_C = 25^{\circ}C$	208	W
	Power Dissipation @ $T_C = 100^{\circ}C$	83	W
T_J, T_{stg}	Operating Junction and Storage Temperature Range	150, -55 to +150	$^{\circ}C$
T_L	Maximum Temperature for Soldering	300	$^{\circ}C$

a1: Repetitive rating; pulse width limited by maximum junction temperature