

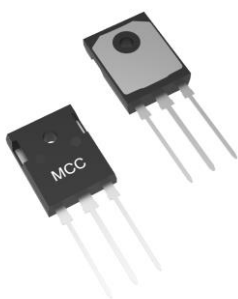
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Complete Discrete Semiconductor Solutions

650V, 1200V IGBT

MCC's IGBT offer low conduction loss, low switching

MCC's IGBT use a Trench-Field Stop technology that provides superior current conduction capability with low conduction loss and low switching loss. It allows paralleling due to the positive temperature coefficient. It is relatively easy to operate and simple to turn it on and off. With the various range of products, engineers may have more choices to select right parts to apply in their application.



TO-247-3

Features:

- Low $V_{ce(sat)}$ for low conduction loss
- Low $E_{on/off}$ for low switching loss
- High current conductivity
- Including fast & soft recovery anti-parallel FWD
- Positive temperature coefficient
- Easy to parallel

Applications:

- Photovoltaic / Solar Inverter PFC Circuitry
- UPS
- Welding Machine
- Motor Control Circuit
- Electric Compressor and Heater

Product	Package	Voltage Class max [V]	Collector Current Max $T_c = 100^\circ\text{C}$	Collector-Emitter Saturation Voltage	Turn-on Energy	Turn-off Energy Hard Switching
		V_{ce} [V]	I_c [A]	$V_{CE(sat)}$ [V]	E_{on} [mJ]	E_{off} [mJ]
MIW75N65F	TO-247	650	75	1.85	2,64	0.92
MIW50N65F	TO-247AB	650	60	1.95	1,62	0.85
MIW30N65FA	TO-247AB	650	30	2.4	1,35	0.45
MIW30N65FLA	TO-247AB	650	30	2.2	1,50	0.8
MIW40N120FLA	TO-247AB	1200	40	2.3	3,80	1.7
MIW25N120FA	TO-247AB	1200	25	2.3	2,80	2.4
MIW15N120FA	TO-247AB	1200	15	2.3	2,20	1.3

