


AFGY100T65SPD

IGBT - 650 V 100 A FS3 for EV traction inverter application

AFGY100T65SPD which is AEC Q101 qualified IGBT which offers very low conduction and switch losses for a high efficiency operation in various applications, rugged transient reliability and low EMI. The part also offers an advantage of outstanding parallel operation performance with balance current sharing.

- AEC Q101 qualified
- Low Vcesat voltage
- Tight parameter distribution
- Soft recovery diode
- HEV/EV traction motors
- Suitable for automotive applications
- low conduction losses
- better current sharing during paralleling operations
- Low EMI
- Hybrid Electric vehicles
- Electric vehicles

	Pricing (\$/Unit)	Compliance	Status	$V_{CE(S)}^{(BR)}$ Typ (V)	I_C Max (A)	$V_{CE(S)}$ at Typ (V)	V_F Typ (V)	E_{off} Typ (mJ)	E_{on} Typ (mJ)	T_{rr} Typ (ns)	I_r Typ (A)	Gate Charge Typ (nC)	Short Circuit Withstand (μ s)	E_{AS} Typ (mJ)	P_D Max (W)	Co-Packaged Diode	Package Type
AFGY100T65SPD	4.7603		Active	650	100	1.6	1.3	2.7	5.1	105		109	6		330	Yes	TO-247-3