


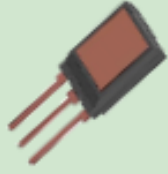
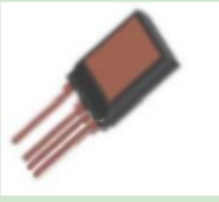


IGBT Product Lineup
















FS4 650V IGBT series

IGBT Rating (A)	Diode Rating (A)	TO-247-3LD			TO-247-4LD		
							
				Low VCE(SAT)			Low VCE(SAT)
40	20	FGH40T65SQD-F155	FGHL40T65MQD				
	40		FGHL40T65MQDT	FGHL40T65LQDT			
50	30	FGH50T65SQD-F155	FGHL50T65MQD		FGH4L50T65SQD		
	50	FGHL50T65SQDT	FGHL50T65MQDT	FGHL50T65LQDT		FGHL50T65MQDTL4	FGHL50T65LQDTL4
60	30	FGH60T65SQD-F155					
75	50	FGH75T65SQD-F155	FGHL75T65MQD				
	50	FGH75T65SQDT-F155	FGHL75T65MQDT	FGHL75T65LQDT	FGH75T65SQDTL4	FGHL75T65MQDTL4	FGHL75T65LQDTL4




ISO TP247serise

Spec			Power247-3L (TP247)	ISOTP247	ISOTP247 – 4L
Voltage / Current @T _c =100°C	V _{CE(SAT)} / E _{OFF} (μJ/A) @T _c =25°C	IGBT Type			
650 / 120	1.5/29.1	FS3	FGY120T65SPD_F085		
650 / 160	1.6/35.6	FS3	FGY160T65SPD_F085		
650 / 120	1.5/29.1	FS3	AFGY120T65SPD-B4		
650 / 160	1.6/35.6	FS3	AFGY160T65SPD-B4		
650 / 120	1.6/35.6	FS3	AFGY120T65SPD (Sampling now/ Aug 2020)		
650 / 100	1.6/35.6	FS3	AFGY100T65SPD (Sampling now/ Aug 2020)		
750 / 200	1.45/28	FS4		AFGE200T75RQD (Q4 2020/Q4 2021)	
750 / 200	1.45/28	FS4			AFGE200T75RQDL4 (Q4 2020/Q4 2020)

SiC SBD Highbred series

Spec				TO-263 (D2PAK)	TO247-3L	Power247-3L (TP247)	Traction Inverter
Voltage / Current @T _c =100°C	V _{CE(SAT)} / E _{OFF} (μJ/A) @T _c =25°C	IGBT Type	Copak Diode rating				
650 / 30	1.6/5	FS4	full	AFGB30T65SQDN 			
650 / 40	1.6/5	FS4	full	AFGB40T65SQDN 	AFGHL40T65SQD 		
650 / 40	1.6/5	FS4	n/a		AFGHL40T65SQ 		
650 / 50	1.6/5	FS4	half		AFGHL50T65SQD 	<p>GREEN: Released Blue: ER sample available (CS sample / RTM schedule)</p>	
650 / 50	1.6/5	FS4	n/a		AFGHL50T65SQ 		
650 / 50	1.6/5	FS4	SiC		AFGHL50T65SQDC 		
650 / 75	1.6/5	FS4	half		AFGHL75T65SQD 		
650 / 75	1.6/5	FS4	full		AFGHL75T65SQDT 		
650 / 75	1.6/5	FS4	SiC		AFGHL75T65SQDC (sampling now / Q3 2020) 		

1200V UFS series

IGBT Rating (A)	Diode Rating (A)	Diode Selection	TO247		TO247-4LD		Power TO247	
			Fast	Low VCE(SAT)	Fast	Low VCE(SAT)	Fast	Low VCE(SAT)
								
25	20	Fast switching	NGTB25N120FL3					
40	40	Low VF	NGTB40N120S3	NGTB40N120L3				
		Fast switching	NGTB40N120FL3		FGH40T120SQDNL4	FGH4L40T120LQD		
60	60	Fast switching					FGY60T120SQDN	
75	75	Fast switching					FGY75T120SQDN	