

SiC MOSFETs

V _{DSS}	650V					750V		900V	
R _{DS (on)}	27m Ω	35m Ω	50m Ω	65m Ω		11m Ω		15m Ω	
V _{DSS}	1200V								1700V
R _{DS (on)}	8m Ω	13m Ω	16m Ω	18m Ω	20m Ω	32m Ω	40m Ω	75m Ω	1 Ω

SiC SBDs

V _{RRM}	650V											
I _F	1A	2A	4A	6A	8A	10A	12A	16A	20A	30A	40A	50A
V _{RRM}	1200V											
I _F	1A	2A	3A	5A	10A	15A	20A	27A	30A	40A	50A	60A
V _{RRM}	1700V											
I _F	25A						50A					
V _{RRM}	2000V											
I _F	20A						40A					

Features

- Easy to drive
- Low reverse recovery time
- Low R_{DS(on)}
- AEC-Q101 qualified
- High reverse blocking capabilities

Applications

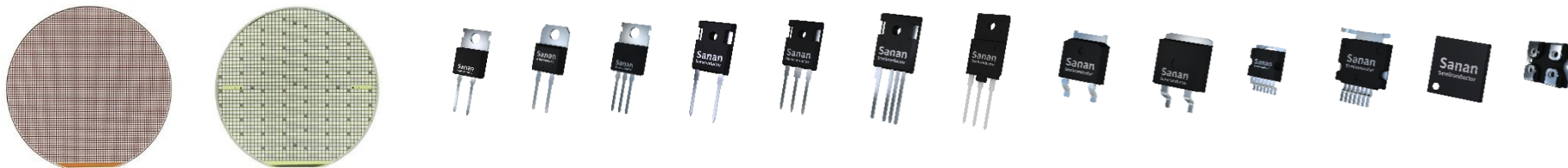
- Automotive drive
- OBC
- Charging piles
- PV inverter
- Energy storage

Features

- High reliability MPS structure
- Thinner wafer platform
- Zero reverse recovery
- AEC-Q101 qualified
- Low forward V_f

Applications

- PV inverter
- Energy storage
- Server power supply
- Base station power supply
- OBC
- Charging piles
- DC/DC
- Home appliance



V _{DSS}	R _{DS(on)}	Baredie	T0247-3L	T0247-4L	T0247-4L Plus	T0247-4LA	T0263-7L	SAPKG-9L
650V	27mΩ	○		○				○
	35mΩ	○		○				○
	50mΩ	●		●			○	○
	65mΩ	○		○				
750V	11mΩ	○		○				
900V	15mΩ	○		○				○
1200V	8mΩ				○			
	13mΩ	○						
	16mΩ	●		●		○		
	18mΩ	●		○		○		
	20mΩ	●		●				
	32mΩ	●		●		○		○
	40mΩ	○		○				
	75mΩ	○	○	○			○	○
1700V	1Ω	●	●				○	

V _{RRM}	I _F	Bare die	T0220-2L	T0220F-2L	T0220N-2L	T0247-2L	T0247-3L	T0252-2L	T0263-2L	T03PF-3L	DFN8*8-4L	SAPKG	SMBF
650V	1A	●											●
	2A	●						●					
	4A	●	●					●					
	6A	●	●		●			●	●		●		
	8A	●	●		●			●	●		●		
	10A	●	●		●			●	●		●	○	
	12A	●	●		●						●		
	16A	●	●	●		●	●						
	20A	●	●			●	●	●	●	●			
	30A	●				●	●						
	40A	●				●	●						
	50A	●				●			●				
1200V	1A	●											●
	2A	●	●					●					
	3A	●						●					
	5A	●	●					●					
	10A	●	●			●	●	●	●				
	15A	●	●			●							
	20A	●	●			●	●		●				
	27A	●				●							
	30A	●				●	●						
	40A	●				●	●						
	50A	●				●						○	
	60A	●				●	●						
1700V	25A	●				●							
	50A	○				○							
2000V	20A	○				○							
	40A	○				○							