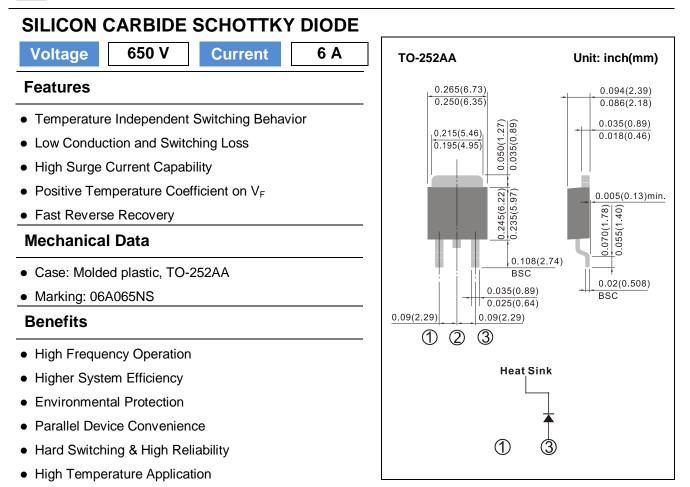
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PAN	JIT
	SEMI
	CONDUCTOR



Maximum Ratings

PARAMETER	SYMBOL	TEST CONDITIONS	VALUE	UNITS
Maximum Repetitive Peak Reverse Voltage	Vrrm	TJ=25°C	650	V
Maximum RMS Voltage	Vrsm	TJ=25°C	650	V
Maximum DC Blocking Voltage	Vr	TJ=25°C	650	V
		Tc=25°C	18	А
Continuous Forward Current	lf(AV)	Tc=125°C	8	А
		Tc=150°C	6	А
Repetitive Peak Forward Surge Current		Tc=25°C	42	А
(T _P =10mS, Half Sine Wave, D=0.1)	I _{FRM}	Tc=125°C	37	А



Maximum Ratings

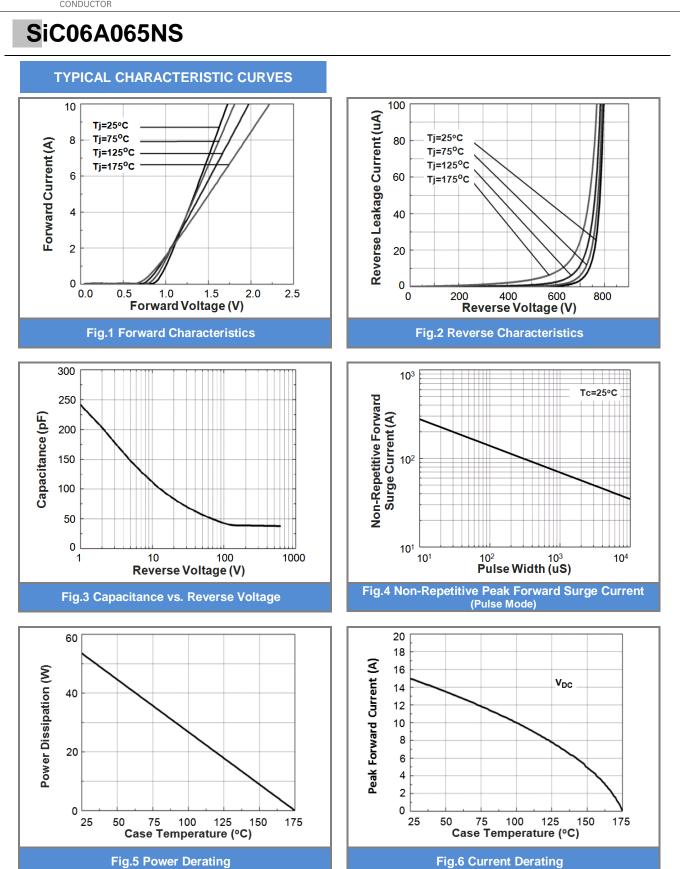
PARAMETER	SYMBOL	TEST CONDITIONS	VALUE	UNITS
Non-Repetitive Peak Forward Surge Current		Tc=25°C	50	А
(T _P =10mS, Half Sine Wave)		Tc=125°C	44	А
Non-Repetitive Peak Forward Surge Current	I _{FSM}	Tc=25°C	210	А
(T _P =10uS, Pulse)				
Deven Discipation	P _D	Tc=25°C	53	W
Power Dissipation		Tc=125°C	17	W
Operating Junction Temperature	TJ		175	°C
Storage Temperature	T _{STG}		-55 to 175	°C
Thermal Resistance Junction to Case	$R_{ ext{ heta}JC}$		2.8	°C/W

Electrical Characteristics

PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNITS
DC Blacking Voltage	V _{DC}	I _R =100uA, TJ=25°C	650	770	-	V
Forward Voltage	N	I _F =6A, TJ=25°C	-	1.5	1.8	V
	V _F	I _F =6A, TJ=175°C	-	1.9	2.2	V
Reverse Current	I _R	V _R =650V, TJ=25°C	-	3	50	uA
		V _R =650V, TJ=175°C	-	17	190	uA
Total Capacitive Charge	Qc	I _F =6A, di/dt=300A/uS,		12	-	nC
		V _R =400V, T _J =25°C	-			
Total Capacitance	С	V _R =1V, TJ=25 [°] C, f=1MHz	-	234	-	pF
		V _R =200V, TJ=25°C, f=1MHz	-	36	-	pF
		V _R =400V, T _J =25°C, f=1MHz	-	36	-	pF

SEMI CONDUCTOR

PANJ

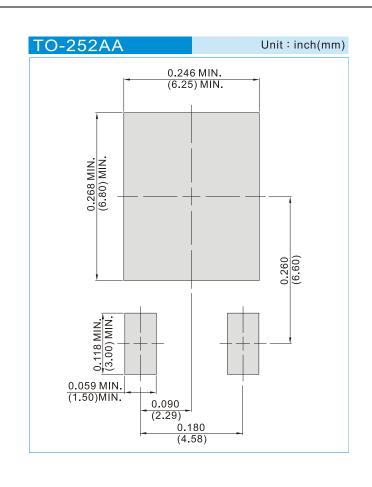




Part No Packing Code Version

Part No Packing Code	Package Type Packing Type		Marking	Version
SIC06A065NS_L2_00001	TO-252AA	3,000pcs / 13" reel	06A065NS	Halogen free

Mounting Pad Layout





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