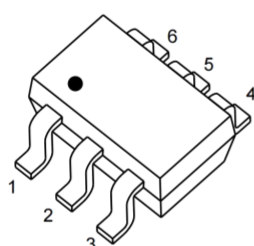


Features

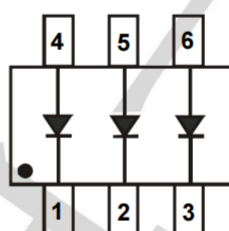
- Low Forward Voltage Drop
- Guard Ring Construction for Transient Protection
- Fast Switching
- Low Leakage Current
- RoHs Product



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Applications

- surface mount schottky barrier rectifier
- Buck and Boost dc-dc Converters
- Low Voltage High Frequency Switching Power Supply
- Low Voltage High Frequency Invers Circuit
- Low Voltage Continued Circuit and Protection Circuit



Device Schematic

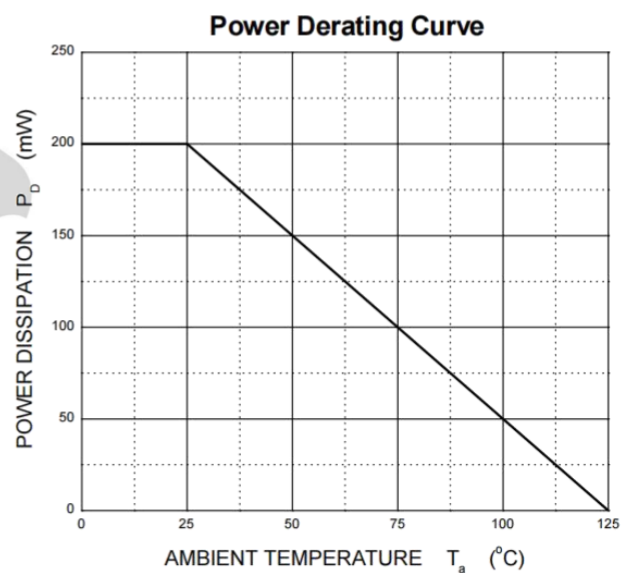
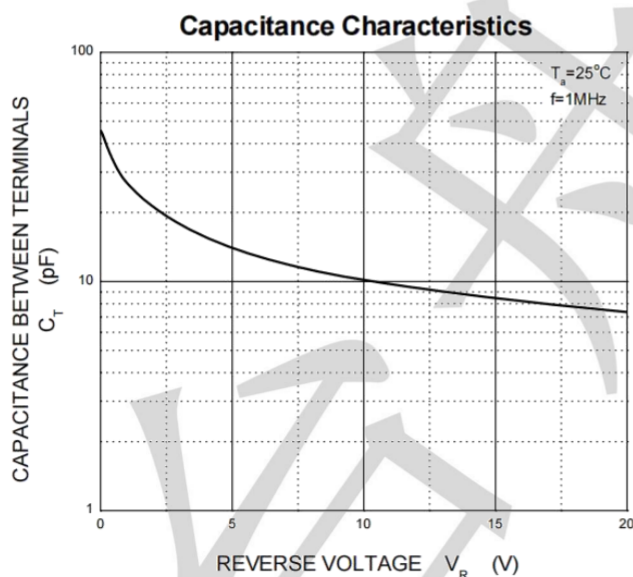
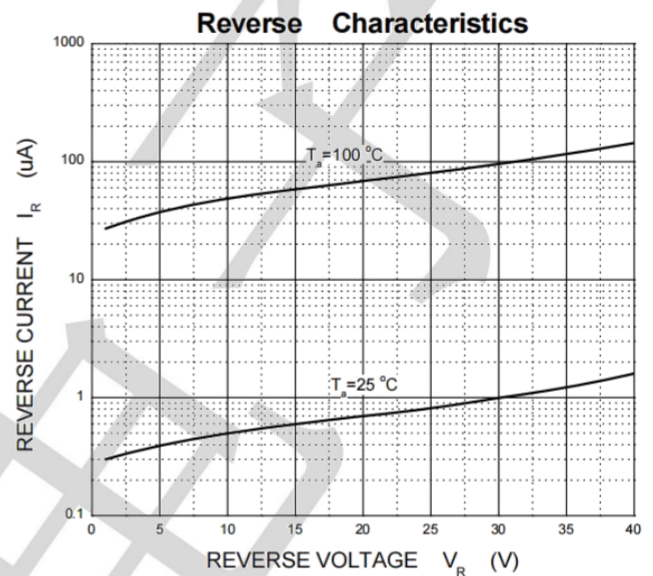
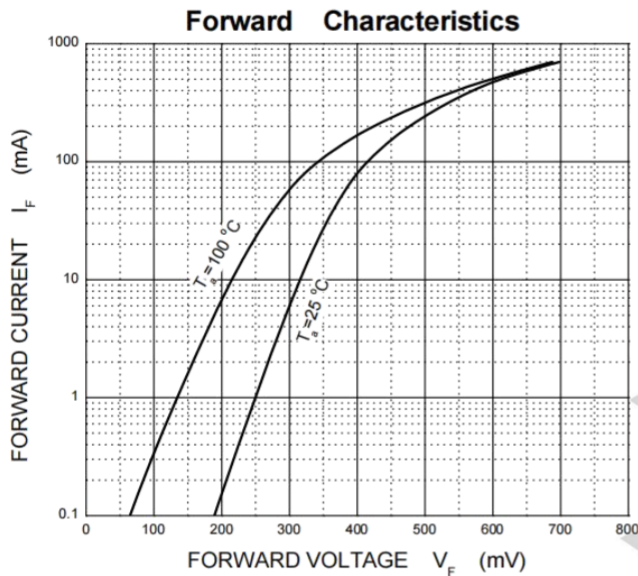
Absolute Maximum Ratings

Parameter	Symbol	Value	Unit
Peak Repetitive Peak Reverse Voltage	V _{RRM}	40	V
Working Peak Reverse Voltage	V _{RWM}	40	V
DC Blocking Voltage	V _R	40	V
Maximum RMS voltage	V _{RMS}	28	V
Forward Continuous Current	I _{FM}	350	mA
Average Rectified Current	I _O	175	mA
Non-repetitive Peak Forward Surge Current@t=8.3ms	I _{FSM}	2.0	A
Power Dissipation	P _d	200	mW
Thermal Resistance Junction to Ambient	R _{θJA}	500	°C/W
Operating Junction Temperature Range	T _J	-40 to +125	°C
Storage Temperature Range	T _{STG}	-55 to +150	°C

Electrical Characteristics (TA=25°C unless otherwise specified)

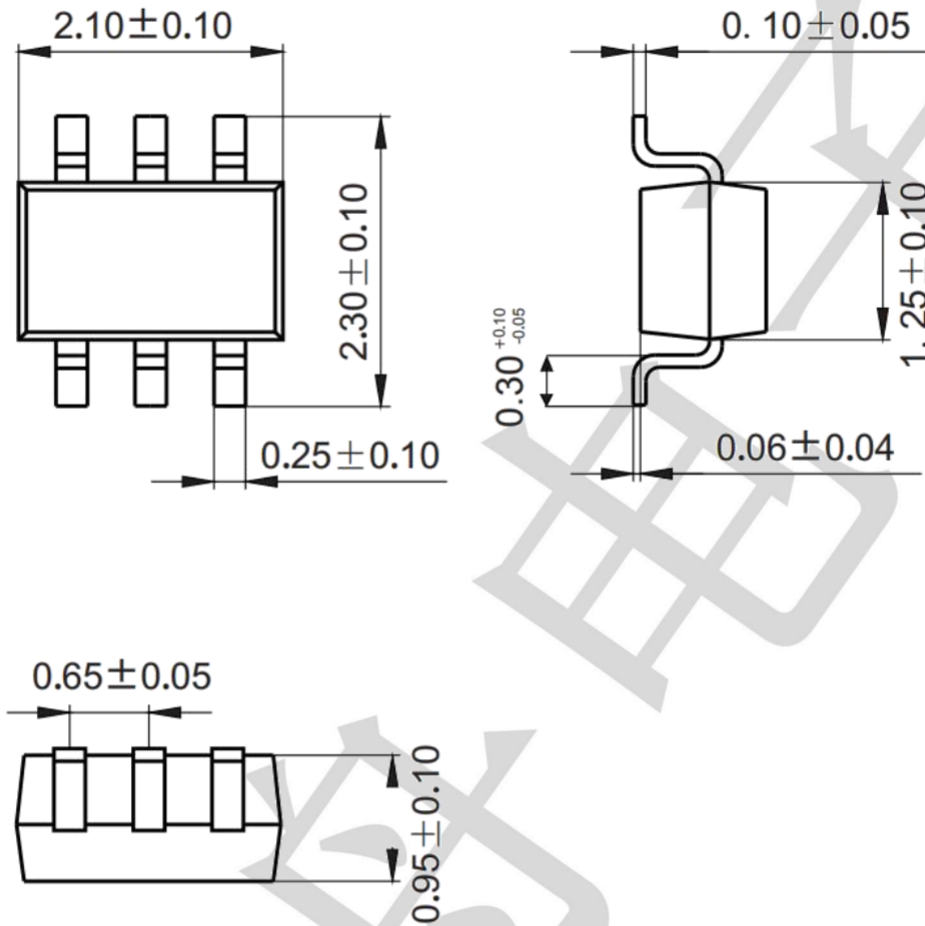
Parameter	Symbol	Min	Typ	Max	Unit	Test Condition
Reverse breakdown voltage	V _(BR)	40	--	--	V	I _R =100μA
Forward Voltage	V _F	--	--	0.37	V	I _F =20mA
		--	--	0.50	V	I _F =100mA
Reverse Leakage	I _R	--	--	2.0	uA	V _R =10V
		--	--	5.0	uA	V _R =30V
Capacitance terminals	C _T	--	50	--	pF	V _R = 0 V, f = 1 MHz
Reverse recovery time	t _{rr}		10		ns	I _F =I _R =200mA, I _{rr} =0.1X I _R , R _L =100Ω

Typical Electrical Characteristic Curves



Package Outline Dimensions (unit: mm)

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Mounting Pad Layout (unit: mm)

