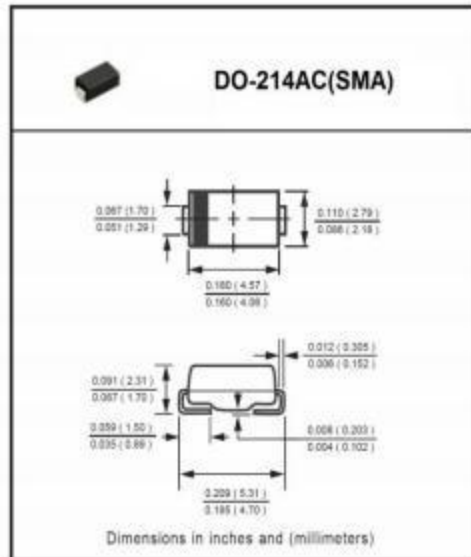


表面安装整流二极管
反向电压400 V
正向电流1.0A

Surface Mount Rectifiers
Reverse Voltage 400 V
Forward Current 1.0 A



特征 Features

- Low reverse leakage
- Glass passivated chip junction
- High forward surge capability • High temperature soldering guaranteed:
260°C/10 秒 seconds at terminals
- Lead and body according with RoHS standard
- AEC-Q101 qualified

机械数据 Mechanical Data

- Case: Molded plastic body
- Terminals: Solder plated
- Polarity: Color band denotes cathode end
- Mounting Position: Any

极限值和温度特性 $T_A = 25^\circ\text{C}$ 除非另有规定。

Maximum Ratings & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

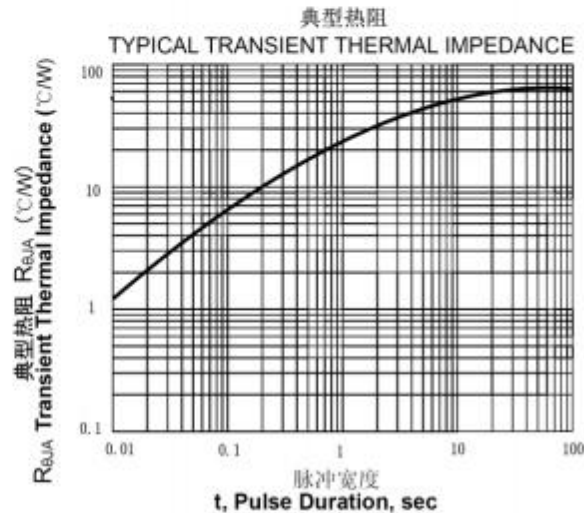
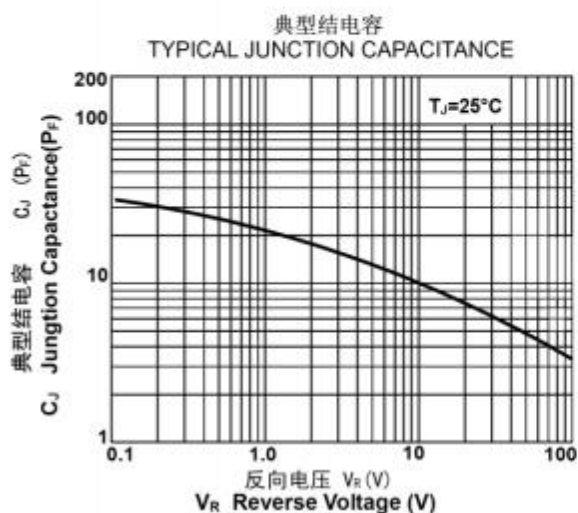
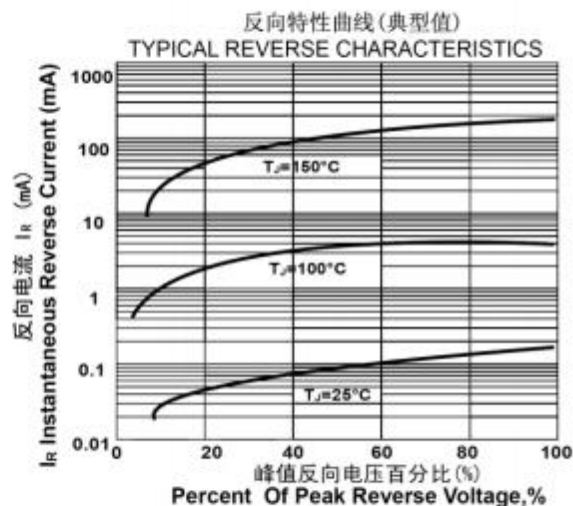
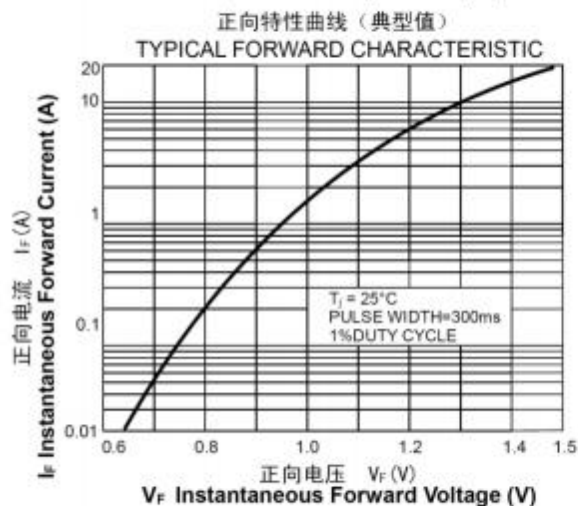
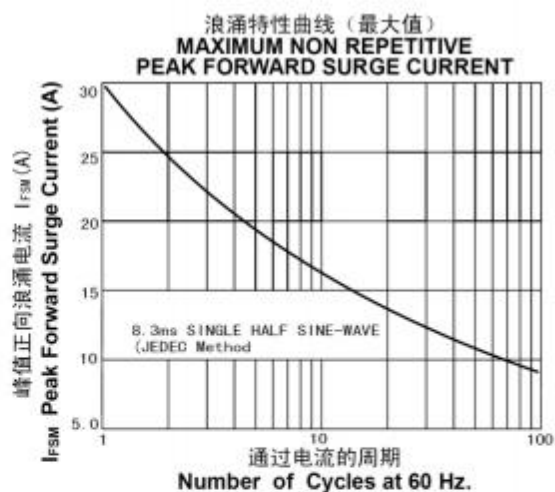
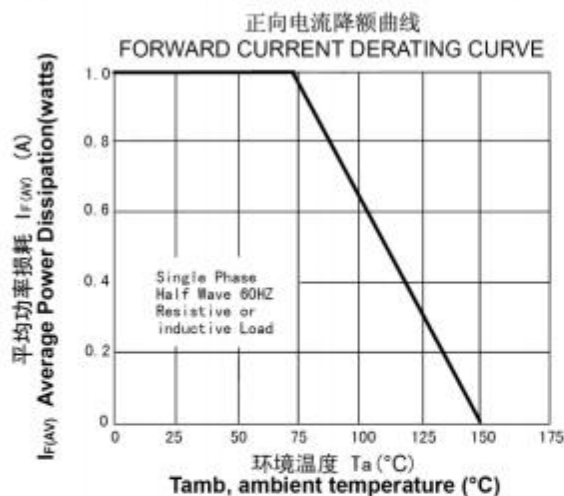
	Symbols Marking	S1GQ	Unit
最大反向峰值电压 Maximum repetitive peak reverse voltage	V_{RRM}	400	V
最大反向有效值电压 Maximum RMS voltage	V_{RMS}	280	V
最大直流阻断电压 Maximum DC blocking voltage	V_{DC}	400	V
最大正向平均整流电流 Maximum average forward rectified current	$I_{F(AV)}$	1.0	A
正向峰值浪涌电流 8.3ms单一正弦半波 Peak forward surge current 8.3 ms single half sine-wave	I_{FSM}	30	A
最大反向峰值电流 @ $T_A = 75^\circ\text{C}$ Maximum peak reverse current full cycle	$I_{R(AV)}$	30	μA
典型热阻 Typical thermal resistance	$R_{\theta JA}$	75	$^\circ\text{C}/\text{W}$
工作结温和存储温度 Operating junction and storage temperature range	T_J, T_{STG}	-50---+150	$^\circ\text{C}$

电特性 $T_A = 25^\circ\text{C}$ 除非另有规定。

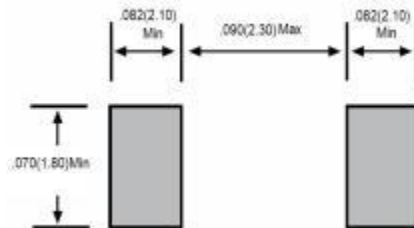
Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

	Symbols Marking	400	Unit
最大正向电压 $I_F = 1.0\text{A}$ Maximum forward voltage	V_F	1.10	V
最大反向漏电流 $T_A = 25^\circ\text{C}$ Maximum reverse current $T_A = 100^\circ\text{C}$	I_R	5.0 50	μA
典型结电容 $V_R = 4.0\text{V}, f = 1\text{MHz}$ Type junction capacitance	C_J	15	pF

特性曲线 Characteristic Curves



Mounting Pad Layout



Packing

Part number	Component Package	Quantity	Packaging Option
S1GQ	DO-214AC	5000	Tape & Reel – 12mm/13" tape

Tape and Reel Specification

