

Rectifier Diodes, Standard

Standard Rectifier Diodes, SMD, S3xCAT



FEATURES:

- For surface mount applications
- Glass passivated chip junction
- Low profile package
- Easy to pick and place
- Capacitance 40 pF
- Terminals: Solderable per MIL-STD-750, Method 2026
- Weight: Approximated 0.022 g

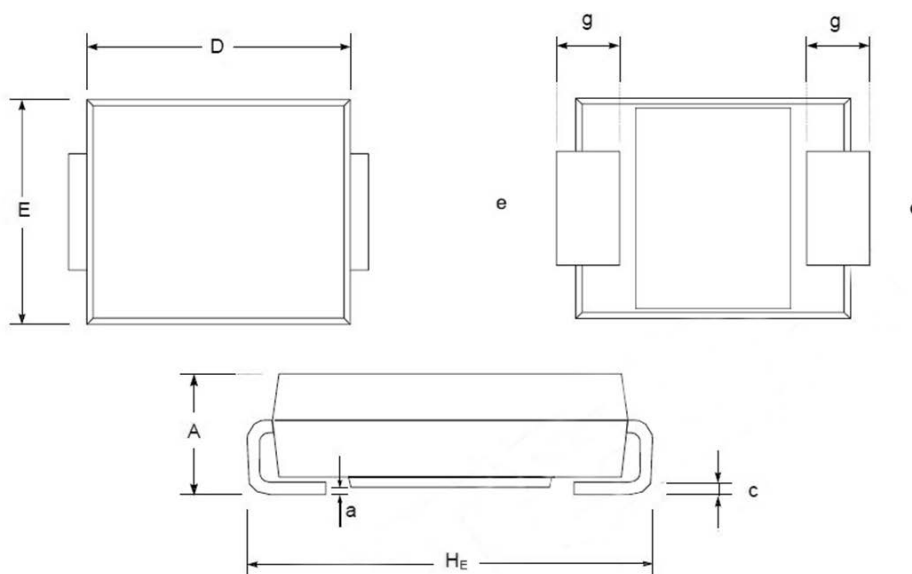


SPECIFICATION:

Conducting-state current	3 A
Surge current	180 A
Housing type	SMC
Operating temperature	-55...+150 °C
Conducting-state voltage	1.0 V
Thermal resistance	16 °C/W

PRODUCT RANGE:

Art. Nr.	Peak off-state voltage
RND S3ACAT	50 V
RND S3DCAT	200 V
RND S3GCAT	400 V



UNIT		A	D	E	H _E	a	c	e	g
mm	max	2.5	7.0	6.0	8.1	0.21	0.35	3.1	1.5
	min	2.1	6.7	5.7	7.7	0.05	0.25	2.9	0.9
mil	max	98	276	236	319	8.3	14	122	59
	min	82	264	224	303	2.0	10	114	35

Fig.1 Forward Current Derating Curve

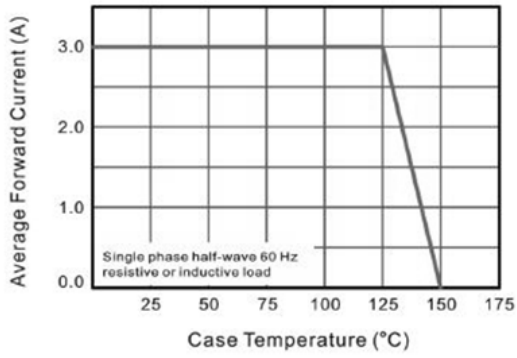


Fig.2 Typical Reverse Characteristics

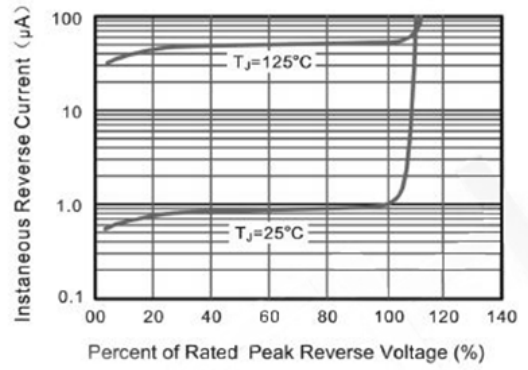


Fig.3 Typical Forward Characteristics

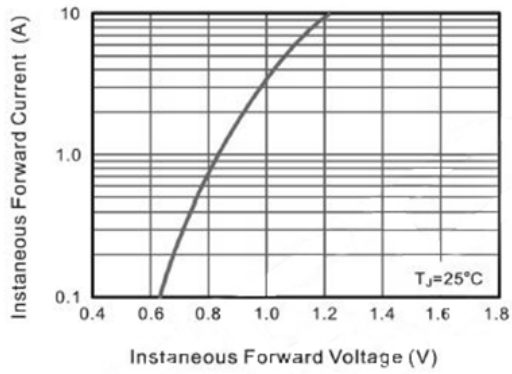


Fig.4 Typical Junction Capacitance

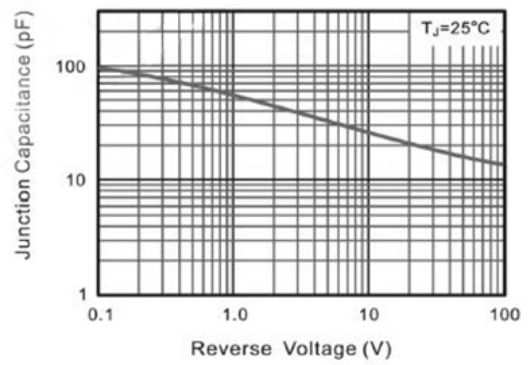


Fig.6 Maximum Non-Repetitive Peak Forward Surge Current

