

SMD22HE THRU SMD220HE

2 Amp Schottky Rectifiers 20 - 200 Volts

Features

- Halogen free available upon request by adding suffix "-HF"
- High current capability.
- Lead Free Finish/RoHS Compliant (Note1)("P" Suffix designates Compliant. See ordering information)
- Guardring for overvoltage protection.
- Silicon epitaxial planar chip, metal silicon junction.
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

- Operating Temperature: SMD22HE~SMD24HE: -55°C to +125°C
SMD25HE~SMD220HE: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Typical Thermal Resistance: 15°C/W Junction to Lead

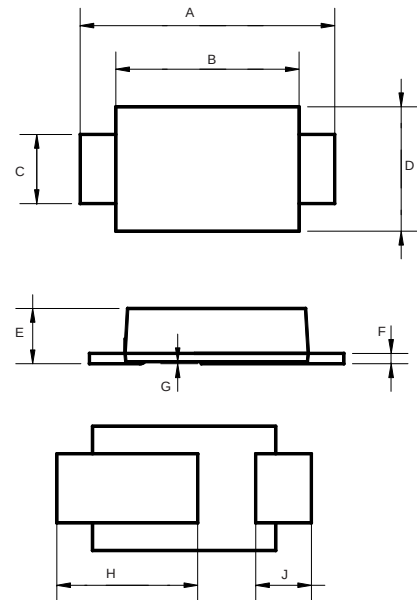
MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SMD22HE	S22L	20V	14V	20V
SMD23HE	S23L	30V	21V	30V
SMD24HE	S24L	40V	28V	40V
SMD25HE	S25L	50V	35V	50V
SMD26HE	S26L	60V	42V	60V
SMD28HE	S28L	80V	56V	80V
SMD210HE	S210L	100V	70V	100V
SMD215HE	S215L	150V	105V	150V
SMD220HE	S220L	200V	140V	200V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	2.0A	See Fig.1
Peak Forward Surge Current	I_{FSM}	40A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_F	22~24 25~26 28~210 215~220 0.50V 0.70V 0.85V 0.90V	$I_{FM} = 2.0A$;
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	0.5mA	$T_J = 25^\circ C$

Note: 1. High Temperature Solder Exemption Applied, see EU Directive Annex 7.

SOD-123HE



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.140	.156	3.55	3.95	
B	.100	.112	2.55	2.85	
C	.035	.043	0.90	1.10	
D	.067	.075	1.70	1.90	
E	.028	.035	0.70	0.90	
F	.004	.008	0.10	0.20	
G	.001	.002	0.02	0.05	
H	.067	.098	1.70	2.50	
J	.016	.047	0.40	1.20	

Characteristics(Typical)

FIG1:Io-Ta Curve

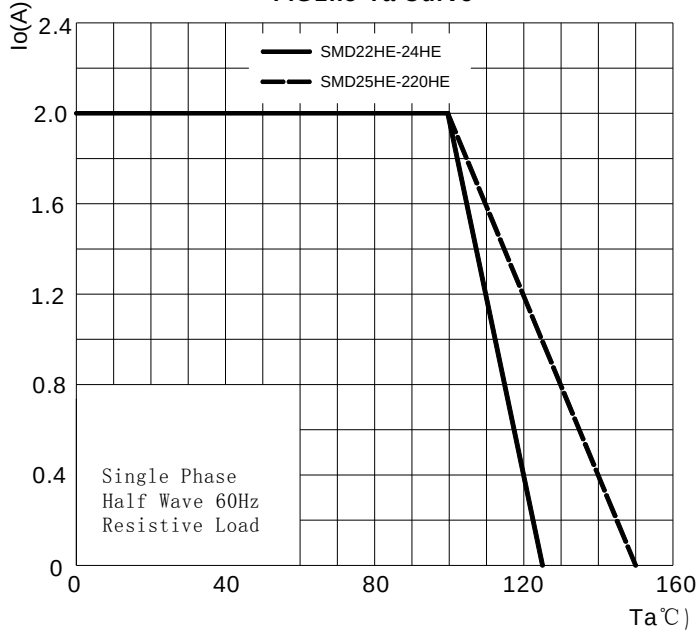


FIG2:Surge Forward Current Capability

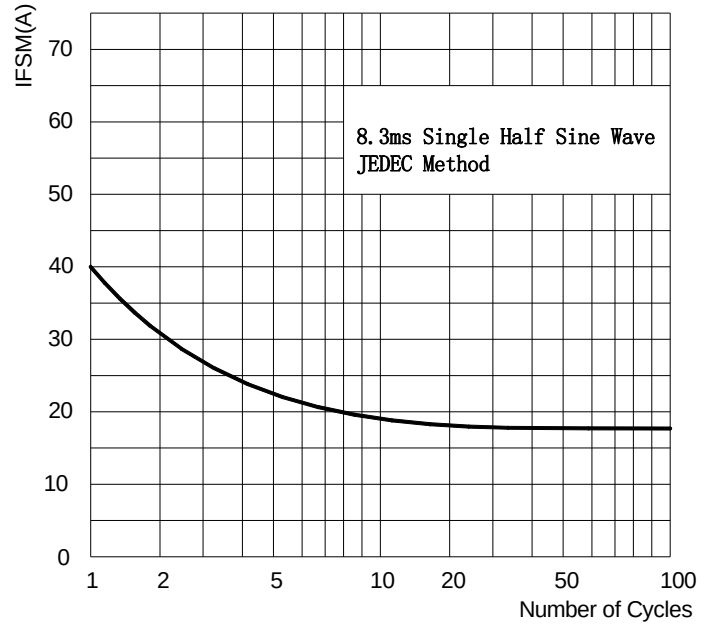


FIG3: Forward Voltage

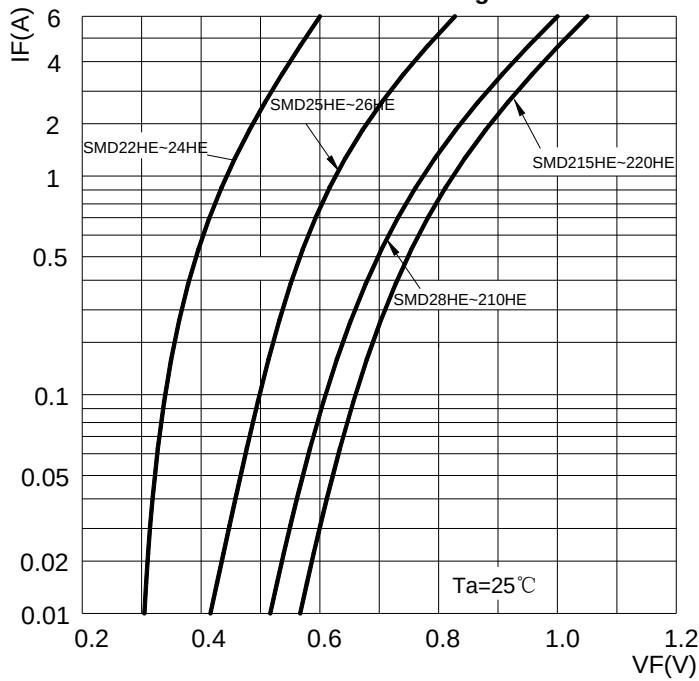
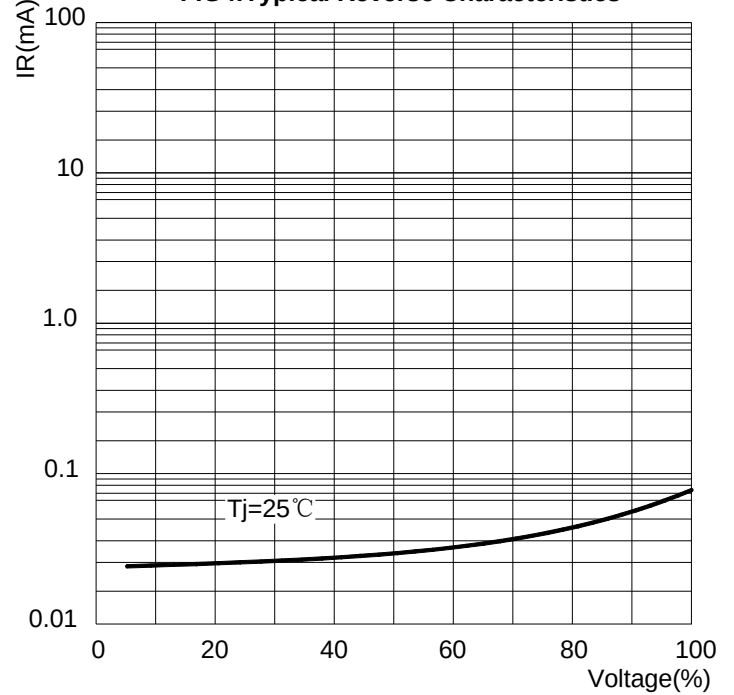


FIG4:Typical Reverse Characteristics



Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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