



Typical Applications

For use in low voltage high frequency inverters, freewheeling, DC/DC converters, automotive and polarity protection applications.

Mechanical Data

Package: SOD-323HE

Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free

Terminals: Tin plated leads, solderable

	FM115EQ
	115
V	150
	105
	150
	1.0
A	30
V/ μ s	10000
	-55 ~+175
	-55 ~+175

(as specified)

PARAMETER	SYMBOL	TEST CONDITIONS	TYP	MAXEST CC 3
		T _J =25	0.8	0.9
		T _J =125	-	0.7
		T _J =25	-	1
		T _J =125	-	50
		f=1MHz	25	-



FM115EQ

Thermal Characteristics (T_a=25 Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	FM115EQ
Thermal resistance	R _{J-A}	/W	260 ¹
	R _{J-L}		70 ¹
	R _{J-SP}		10 ²

Note:

- (1) Thermal resistance between junction and ambient and between junction and lead mounted on P.C.B without copper pad areas.
- (2) Thermal resistance between junction and cathode tab solder point.

Characteristics(Typical)

Ordering Information (Example)

PREFERRED P/N	PACKING CODE
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Marking Information

Outline Dimensions

SOD-323HE		
Dim	Millimeters	
	Min	Max
A	1.20	1.40
B	2.10	2.30
C	2.30	2.70
D	0.90	1.00
E1	0.55	0.75

Suggested pad layout

