SSL34F THRU SSL36F SMAF

Surface Mount Schottky Barrier Rectifier

Reverse Voltage - 40 to 60 V

Forward Current - 3 A

Pinning

1.Cathode	2.Anode



SMAF

FEATURES

Metal silicon junction, majority carrier conduction

For surface mounted applications

Low power loss, high efficiency

High forward surge current capability

For use in low voltage, high frequency inverters,

free wheeling, and polarity protection applications

Lead free in comply with EU RoHS 2011/65/EU directives

YFW SSL34

YFW SSL36

MECHANICAL DATA

Case: SMAF

Terminals: Solderable per MIL-STD-750, Method 2026

Approx. Weight: 27mg /0.00095oz

Absolute Maximum Ratings and Electrical characteristics
Ratings at 25 ° ambient temperature unless otherwise specified.Single phase, half wave, 60Hz resistive or inductive load, for capacitive load, derate by 20 %

Parameter	Symbols	SSL34F		SSL36F	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	40		60	V
Maximum RMS voltage	V_{RMS}	28		42	V
Maximum DC Blocking Voltage	V_{DC}	40		60	V
Maximum Average Forward Rectified Current	$I_{F(AV)}$		3.0		A
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed On Rated Load (JEDEC method)	I_{FSM}	80		70	A
Maximum Instantaneous Forward Voltage at 3 A	V_F	0.45		0.5	V
Maximum Instantaneous Reverse Current T_A = 25°C at Rated DC Reverse Voltage T_A = 100°C	I_R	0.3 5		0.5 5	mA
Typical Junction Capacitance [1]	C_j	450		400	pF
Typical Thermal Resistance [2]	$R_{\theta JA}$	50		60	

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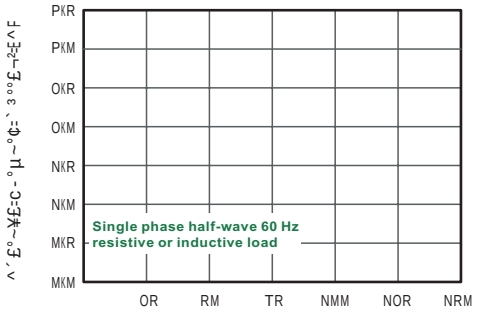

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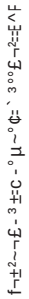

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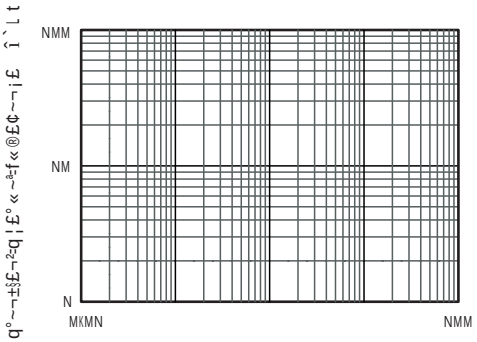

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	Tape/Reel,13”reel	10000PCS/Reel 100000PCS/Carton
	Tape/Reel,7”reel	3000PCS/Reel 120000PCS/Carton

A	0.9	1.1	35	43
C	0.12	0.20	4.7	7.9
D	3.3	3.7	130	146
E	2.4	2.7	94	106
e	1.3	1.6	51	63
g	0.8	1.2	31	47
HE	4.4	4.9	17 N	