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[Fairchild Semiconductor](#)

[FMKA130](#)

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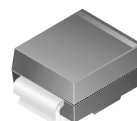
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FMKA130

Features

- Compact Surface Mount with J-bend Leads (SMA)
- 1.2 Watt Power Dissipation Package
- 1.0 Ampere, Forward Voltage Less than 600mV



SMA (DO-214AC)

Color Band Denotes Cathode
Mark: A13

Schottky Rectifier

Absolute Maximum Ratings * $T_A = 25^\circ\text{C}$ unless otherwise noted

Symbol	Parameter	Value	Units
V_{RRM}	Maximum Repetitive Reverse Voltage	30	V
$I_{F(AV)}$	Average Rectified Forward Current @ $T_L = 120^\circ\text{C}$	1.0	A
I_{FSM}	Non-repetitive Peak Forward Surge Current	30	A
T_{STG}	Storage Temperature Range	-65 to +150	$^\circ\text{C}$
T_J	Operating Junction Temperature	-65 to +125	$^\circ\text{C}$

* These ratings are limiting values above which the serviceability of the diode may be impaired.

Thermal Characteristics

Symbol	Parameter	Value	Units
$R_{\theta JL}$	Thermal Resistance Junction to Lead (Half wave, single phase, 60 Hz)	9.6	$^\circ\text{C}/\text{W}$

Electrical Characteristics $T_A = 25^\circ\text{C}$ unless otherwise noted

Symbol	Parameter	Min.	Max.	Units
V_F	Forward Voltage @ $I_F = 1.0\text{A}$		550	mV
I_R	Reverse Leakage		1.0	mA
			10	mA

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Bottomless™	FPS™	MICROCOUPLER™	PowerTrench [®]	SuperSOT™-6
CoolFET™	FRFET™	MicroFET™	QFET [®]	SuperSOT™-8
CROSSVOLT™	GlobalOptoisolator™	MicroPak™	QST™	SyncFET™
DOME™	GTO™	MICROWIRE™	QT Optoelectronics™	TinyLogic [®]
EcoSPARK™	HiSeC™	MSX™	Quiet Series™	TINYOPTO™
E ² CMOS™	I ² C™	MSXPro™	RapidConfigure™	TruTranslation™
EnSigna™	<i>i-Lo</i> ™	OCX™	RapidConnect™	UHC™
FACT™	ImpliedDisconnect™	OCXPro™	μSerDes™	UltraFET [®]
FACT Quiet Series™		OPTOLOGIC [®]	SILENT SWITCHER [®]	VCX™
Across the board. Around the world.™		OPTOPLANAR™	SMART START™	
The Power Franchise [®]		PACMAN™	SPM™	
Programmable Active Droop™		POP™	Stealth™	

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