

FMKA140

Features

- Compact surface mount with J-bend leads (SMA)
- 1.2 Watt Power Dissipation package
- 1.0 Ampere, forward voltage less than 600 mV



SMA (D0-214AC) Color Band Denotes Cathode Mark: A140

Schottky Rectifier

Absolute Maximum Ratings* T_A = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
V _{RRM}	Maximum Repetitive Reverse Voltage	40	V
I _{F(AV)}	Average Rectified Forward Current @ T _L = 120°C	1.0	А
I _{FSM}	Non-repetitive Peak Forward Surge Current	30	А
T _{stg}	Storage Temperature Range	-65 to +150	°C
Τ _j	Operating Junction Temperature	-65 to +125	°C

*These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

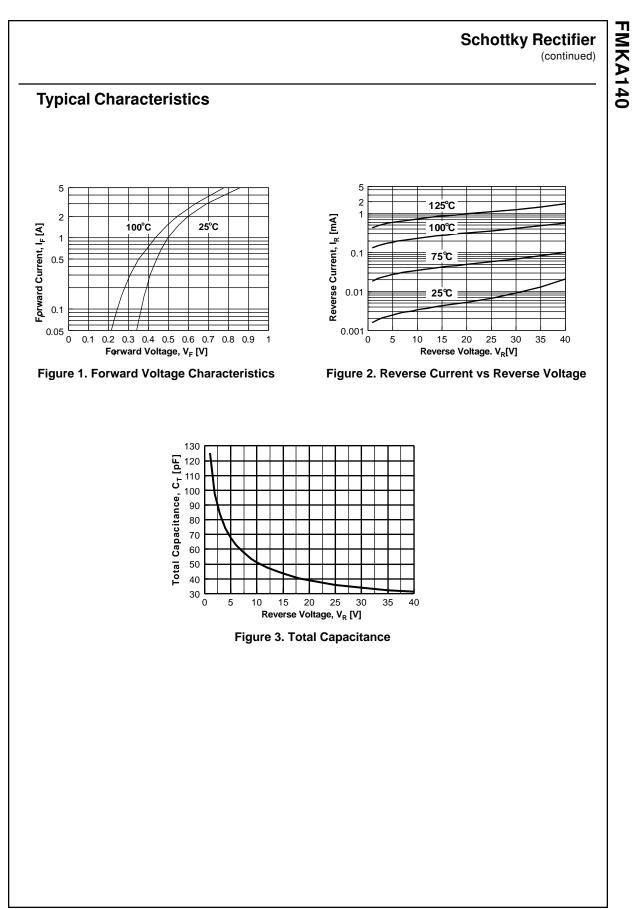
Thermal Characteristics

Symbol	Parameter	Value	Units
$R_{ extsf{ heta}JL}$	Thermal Resistance Junction to Lead (Half wave, single phase, 60 Hz)	9.6	°C/W

Electrical Characteristics T_A = 25°C unless otherwise noted

Symbol	Parameter		Value	Units
V _F	Forward Voltage	@ I _F = 1.0A,	600	mV
I _R	Reverse Current	@ V _R = 40 V,	1.0	mA
		$V_{R} = 40 \text{ V}, \text{ T}_{A} = 100 ^{\circ}\text{C}$	10	mA

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FMKA140, Rev. B

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