

查询FM120L供应商

捷多邦，专业PCB打样工厂，24小时加急出货

RECTRON
SEMICONDUCTOR
TECHNICAL SPECIFICATION

FM120L
THRU
FM140L

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

VOLTAGE RANGE 20 to 40 Volts CURRENT 1.0 Ampere

FEATURES

- * Glass passivated device
- * Ideal for surface mounted applications
- * Low leakage current
- * Metallurgically bonded construction
- * Mounting position: Any
- * Weight: 0.057 gram

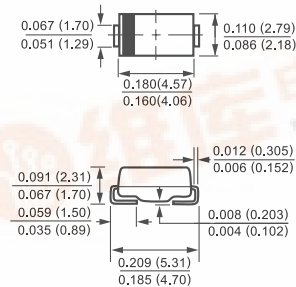
SUPER LOW V_F

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified.
Single phase, half wave, 60 Hz, resistive or inductive load.
For capacitive load, derate current by 20%.



DO-214AC



Dimensions in inches and (millimeters)

MAXIMUM RATINGS (At TA = 25°C unless otherwise noted)

RATINGS	SYMBOL	FM120L	FM140L	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	20	40	Volts
Maximum RMS Voltage	V _{RMS}	14	28	Volts
Maximum DC Blocking Voltage	V _{DC}	20	40	Volts
Maximum Average Forward Rectified Current at Derating Lead Temperature	I _O	1.0		Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	40		Amps
Typical Thermal Resistance (Note 1)	R _{θJA}	50		°C/W
Typical Junction Capacitance (Note 2)	C _J	110		pF
Operating Temperature Range	T _J	-65 to + 125		°C
Storage Temperature Range	T _{STG}	-65 to + 150		°C

ELECTRICAL CHARACTERISTICS (At TA = 25°C unless otherwise noted)

CHARACTERISTICS	SYMBOL	FM120L	FM140L	UNITS
Maximum Instantaneous Forward Voltage at 1.0A DC	V _F	0.30	0.32	Volts
Maximum Average Reverse Current @TA = 25°C	I _R	1.0		mAmps
at Rated DC Blocking Voltage @TA = 100°C		10		mAmps

NOTES: 1. Thermal Resistance (Junction to Ambient).

2. Measured at 1 MHz and applied reverse voltage of 4.0 volts.