查询FM120C供应商



捷多邦,专业PCB打样工

FM120C

FM160C

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

VOLTAGE RANGE 20 to 60 Volts CURRENT 1.0 Ampere

FEATURES

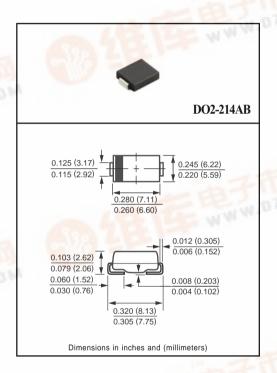
- * Low switching noise
- * Low forward voltage drop
- * High current capability
- * High switching capability
- * High surge capabitity
- * High reliability

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: Device has UL flammability classification 94V-O
- * Lead: MIL-STD-202E method 208C guaranteed
- * Metallurgically bonded construction
- * Mounting position: Any
- * Weight: 0.24 gram

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%.



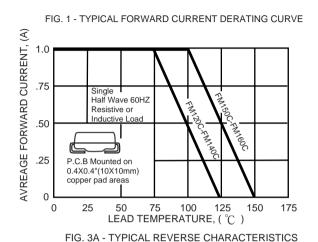
MAXIMUM RATINGS (At TA = 25°C unless otherwise noted)

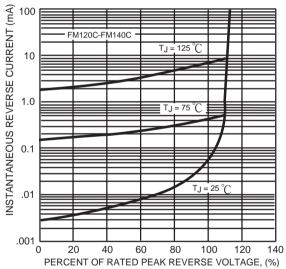
RATINGS	SYMBOL	FM120C	FM130C	FM140C	FM150C	FM160C	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	20	30	40	50	60	Volts
Maximum RMS Voltage	VRMS	14	21	28	35	42	Volts
Maximum DC Blocking Voltage	VDC	20	30	40	50	60	Volts
Maximum Average Forward Rectified Current at Derating Lead temperature	Io	014 1.0					Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	40					Amps
Typical Thermal Resistance (Note 1)	RθJA	50					°C/W
Typical Junction Capacitance (Note 2)	CJ	110					pF
Operating Temperature Range	TJ	-65 to + 125 -65 to + 150				°C	
Storage Temperature Range	Tstg	-65 to + 150					°C

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

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9		CHARACTERISTICS		SYMBOL	FM120C	FM130C	FM140C	FM150C	FM160C	UNITS
O	Maximum Instantaneous Forward Voltage at 1.0A DC			VF	.55			.70		Volts
	Maxii	num Average Reverse Current	everse Current @TA = 25°C			1.0				
7	at Ra	ted DC Blocking Voltage	@TA = 100°C	IK .	10					mAmns

RATING AND CHARACTERISTIC CURVES (FM120C THRU FM160C)





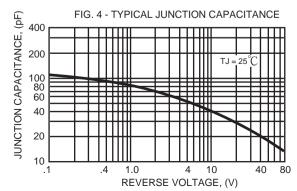


FIG. 2 - TYPICAL INSTANTANEOUS INSTANTANEOUS FORWARD CURRENT, (A) FORWARD CHARCTERISTICS 20 10 FM1400 FM1600 Tj = 25 °C Pulse Width = 300uS 1% Duty Cycle .5 .9 1.1 1.3 1.5 INSTANTANEOUS FORWARD VOLTAGE, (V)

FIG. 3B - TYPICAL REVERSE CHARACTERISTICS

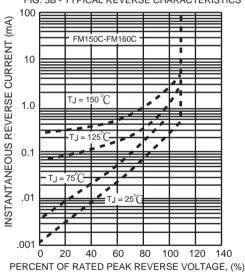
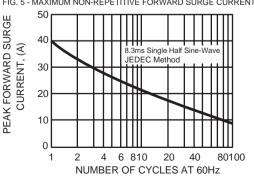
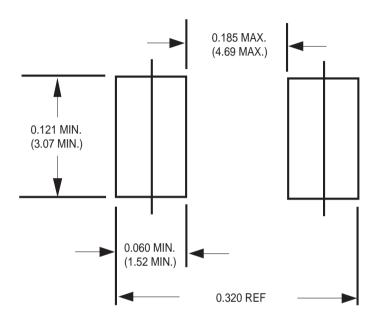


FIG. 5 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT





Mounting Pad Layout



Dimensions in inches and (millimeters)

