



SCHOTTKY BARRIER BRIDGE RECTIFIER

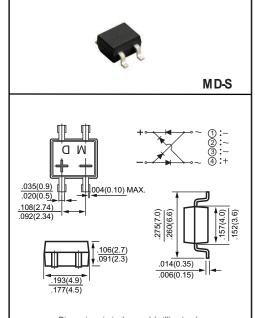
VOLTAGE RANGE 80 TO 200 Volts CURRENT 2.0 Ampere

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
- * Mounting position: Any
- * Weight: 0.134 gram



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS Ratings at 25 °C ambient temperature unless otherwise specified.

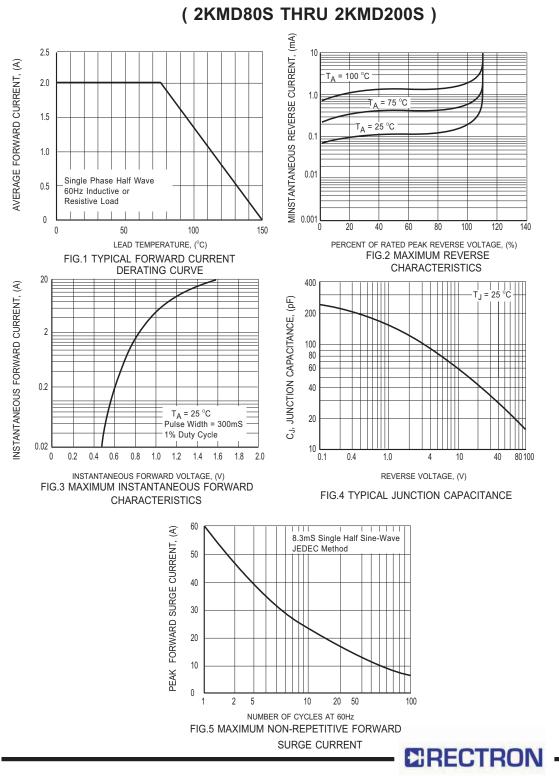
Dimensions in inches and (millimeters)

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

RATINGS	SYMBOL	2KMD80S	2KMD100S	2KMD150S	2KMD200S	UNITS	
Maximum Recurrent Peak Reverse Voltage			80	100	150	200	Volts
Maximum RMS Voltage			56	70	105	140	Volts
ximum DC Blocking Voltage		V _{DC}	80	100	150	200	Volts
Maximum Average Forward Rectified Current at Derating Lead Temperature			2.0				
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)			60				
Typical Current Squared Time			14.94				
Typical Thermal Resistance (Note 1)		Rθja	50				
		R _{θJL}	15				
Typical Junction Capacitance (Note 3)	CJ	110					
Operating Temperature Range	TJ	150					
Storage Temperature Range			-55 to + 150				
ELECTRICAL CHARACTERISTICS(@TA	=25 °C unless o	therwise n	oted)				
CHARACTERIS	SYMBOL	2KMD80S THRU 2KMD200S					
Maximum Instantaneous Forward Voltage at 2.0 A DC			0.85				
Maximum Average Reverse Current $@T_A = 25^{\circ}C$ t Rated DC Blocking Voltage $@T_A = 100^{\circ}C$			200				
		I _R	2				

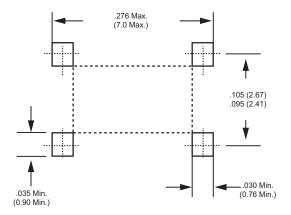
NOTES: 1. Thermal Resistance : At 9.5mm lead lengths, PCB mounted.
2. Measured at 1 MHz and applied reverse voltage of 4.0 volts.
3. "Fully ROHS compliant", "100% Sn plating (Pb-free)".

2012-02 REV:0



RATING AND CHARACTERISTICS CURVES

Mounting Pad Layout

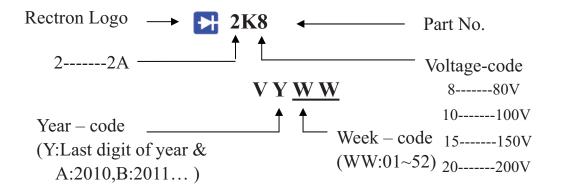


Dimensions in inches and (millimeters)



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Marking Description



PACKAGING OF DIODE AND BRIDGE RECTIFIERS

REEL PACK

PACKAGE	PACKING CODE	EA PER REEL	EA PER INNER BOX	COMPONENT SPACE (mm)	TAPE SPACE (mm)	REEL DIA (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
MD-S	-T	500	2,000			178	390*205*310	16,000	
MD-S	-W	3,000	6,000			330	360*355*360	48,000	15.50

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