

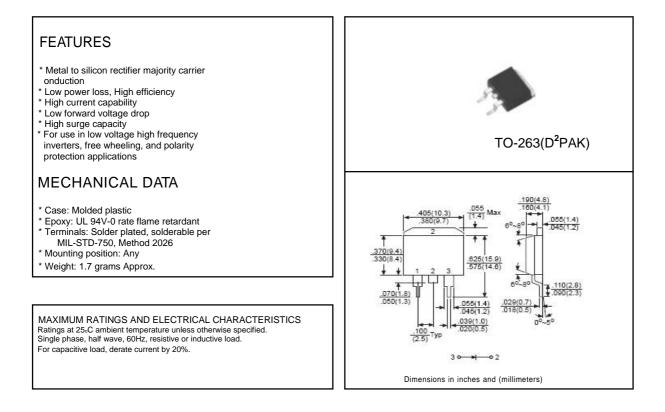
HITANO ENTERPRISE CORP.

SD820D THRU SD8100D

TECHNICAL SPECIFICATIONS OF SURFACE MOUNT SCHOTTKY BARRIER DIODE

VOLTAGE RANGE - 20 to 100 Volts

CURRENT - 8.0 Amperes

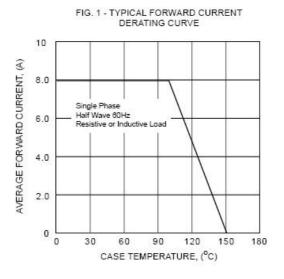


		SYMBOL	SD820D	SD830D	SD840D	SD850D	SD860D	SD880D	SD8100D	UNITS
Maximum Recurrent Peak Reverse Voltage		VRRM	20	30	40	50	60	80	100	Volts
Maximum RMS Voltage		VRMS	14	21	28	35	42	56	70	Volts
Maximum DC Blocking Voltage		VDC	20	30	40	50	60	80	100	Volts
Maximum Average Forward Rectified Current at TC=100oC		ю	8.0							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	150							Amps
Maximum Instantaneous Forward Voltage at 8.0A DC		VF		0.65 0.75				0.85		Volts
Maximum DC Reverse Current at	@TA = 25 ⁰ C		5.0							mAmps
Rated DC Blocking Voltage	@TA = 100 ⁰ C	IR	50							
Typical Thermal Resistance (Note1)		Reja	60							⁰ C/W
Typical Junction Capacitance (Note 2)		CJ	700							pF
Storage Operating Temperature Range		TJ, TSTG	-55 to + 150							°c

Note : 1. Mounted on PC Board with 14mm²(0.013mm thick) copper pad areas.

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

RATING AND CHARACTERISTIC CURVES (SD820D THRU SD8100D)



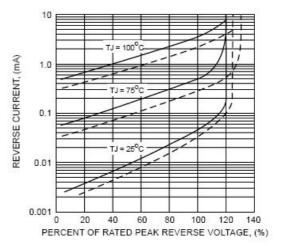
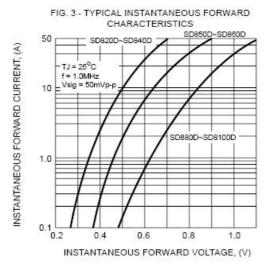
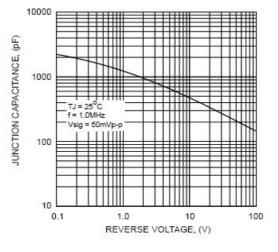


FIG. 4 - TYPICAL JUNCTION CAPACITANCE





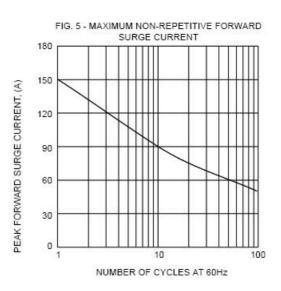


FIG. 2 - TYPICAL REVERSE CHARACTERISTICS