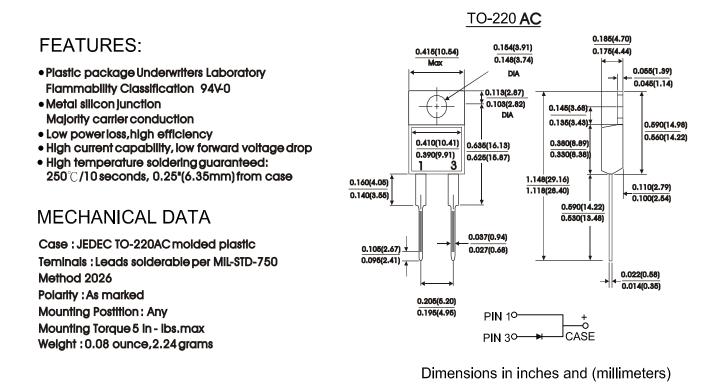
DACO SEMICONDUCTOR CO., LTD.

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SR2090 THRU SR20100

SCHOTTKY BARRIER RECTIFIERS



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 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%.

Characteristic	Symbol	SR2090	SR20100	Units
Maximum recurrent peak reverse voltage	V _{RRM}	90	100	Volts
Maximum RMS voltage	V _{RMS}	63	70	Volts
Maximum DC blocking voltage	V _{DC}	90	100	Volts
Maximum average forward rectified current at $TC=125^{\circ}C$	lo	20		Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	300		Amps
Maximum instantaneous forward voltage (NOTE 2) IF=20 A	VF	0.95		Volts
Maximum instantaneous reverse current at rated DC blocking $Tc=25^{\circ}C$ $Tc=100^{\circ}C$ voltage (NOTE 2) $Tc=100^{\circ}C$	I _R	0.1 6.0		mA
Typical thermal resistance(NOTE 1)	R _{th} -JC	3.5		°C/W
Operating temperature range	Тј	-65to+150		°C
Storage temperature range	T _{Stg}	-65to	-65to+175	

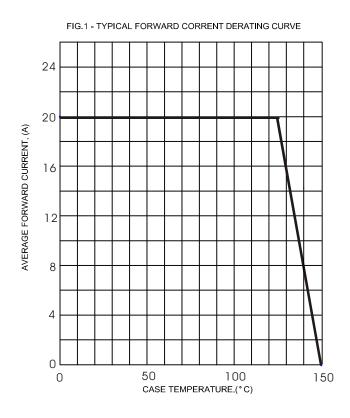
NOTES:

(1)Thermal resistance from junction to case

(2)Pulse test: 300 us pulse width, 1% duty cycle



RATINGS AND CHARACTERISTIC CURVES



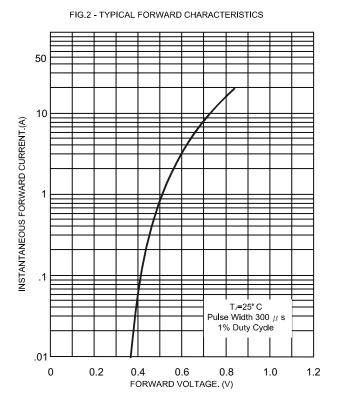
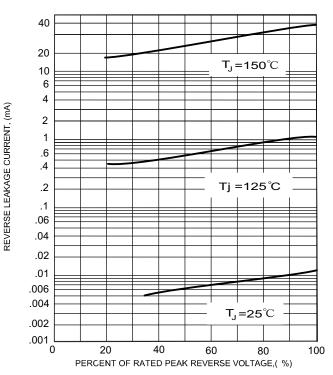
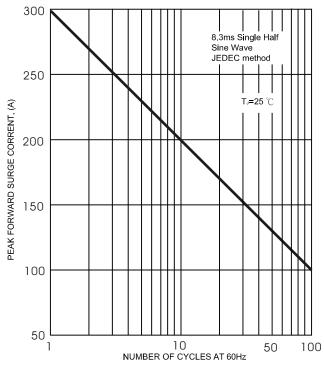


FIG.4- TYPICAL REVERSE CHARACTERISTICS







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