



**SR202
THRU
SR210**

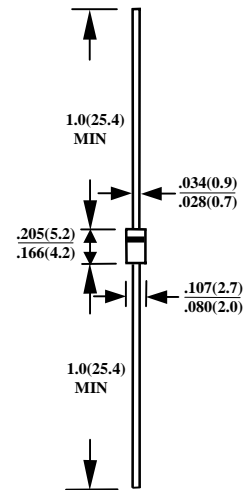
2A SCHOTTKY BARRIER RECTIFIERS

FEATURES

- EXTREMELY LOW VF
- LOW STORED CHARGE, MAJORITY CARRIER CONDUCTION
- LOW POWER LOSS / HIGH EFFICIENCY
- UL 94V0 FLAME RETARDANT EPOXY MOLDING COMPOUND

MECHANICAL DATA

- CASE : TRANSFER MOLDED
- LEADS : SOLDERABLE PER MIL-STD-202, METHOD 208
- POLARITY : CATHODE INDICATED BY COLOR BAND
- WEIGHT : 0.34 GRAMS



CASE : DO-41
DIMENSIONS IN INCHES AND (MILLIMETERS)

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%

RATINGS	SYMBOL	SR202	SR203	SR204	SR205	SR206	SR207	SR208	SR209	SR210	UNITS
MAXIMUM RECURRENT PEAK REVERSE VOLTAGE	V _{RRM}	20	30	40	50	60	70	80	90	100	V
MAXIMUM RMS VOLTAGE	V _{RMS}	14	21	28	35	42	49	56	63	70	V
MAXIMUM DC BLOCKING VOLTAGE	V _{DC}	20	30	40	50	60	70	80	90	100	v
MAXIMUM AVERAGE FORWARD RECTIFIED CURRENT .375" (9.5mm) LEAD LENGTH (SEE FIG.1)	I _O	2.0									A
PEAK FORWARD SURGE CURRENT, 8.3ms SINGLE HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD	I _{FSM}	50									A
TYPICAL JUNCTION CAPACITANCE (NOTE1)	C _J	90			110					PF	
TYPICAL THERMAL RESISTANCE (NOTE 2)	R _{θja}	40									°C/W
STORAGE TEMPERATURE RANGE	T _{STG}	- 55 TO + 150									°C
OPERATING TEMPERATURE RANGE	T _{OP}	- 55 TO + 150									°C

ELECTRICAL CHARACTERISTICS (A_T T_A =25°C UNLESS OTHERWISE NOTED)

CHARACTERISTICS	SYMBOL	SR202	SR203	SR204	SR205	SR206	SR207	SR208	SR209	SR210	UNITS
MAXIMUM FORWARD VOLTAGE AT I _O DC	V _F	0.55			0.70		0.79				V
MAXIMUM REVERSE CURRENT AT 25°C	I _R	2.0									mA
MAXIMUM REVERSE CURRENT AT 100°C	I _R	20.0									mA

- NOTES : 1. MEASURED AT 1 MHZ AND APPLIED REVERSE VOLTAGE OF 4.0 VOLTS
2. BOTH LEADS ATTACHED TO HEATSINK 20x20x1(mm) COPPER PLATE AT LEAD LENGTH 5mm

RATINGS AND CHARACTERISTIC CURVE SR202 THRU SR210

FIG. 1 - FORWARD CURRENT DERATING CURVE

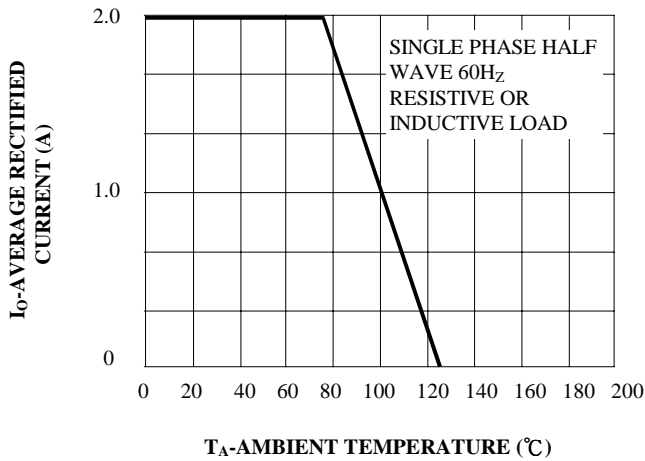


FIG. 2 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

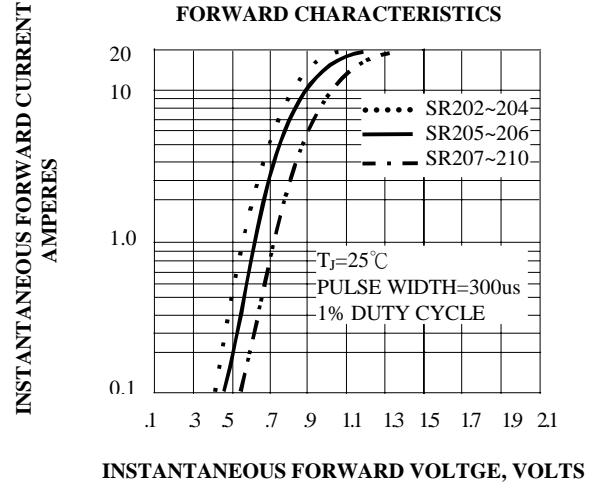


FIG. 3 - TYPICAL REVERSE CHARACTERISTICS

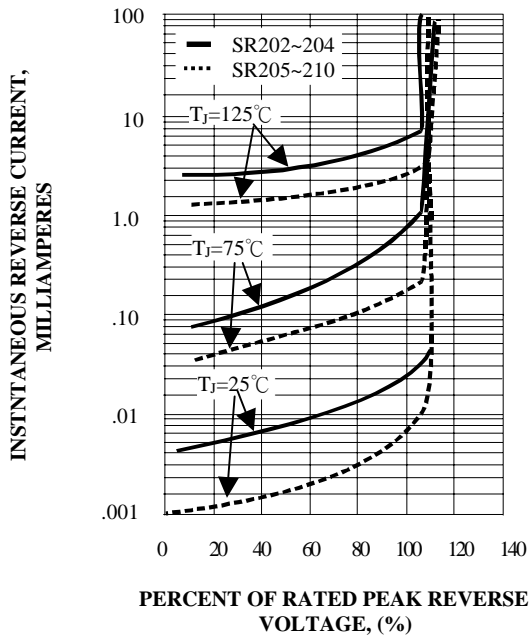


FIG. 4 - MAXIMUM NON-REPETITIVE SURGE CURRENT

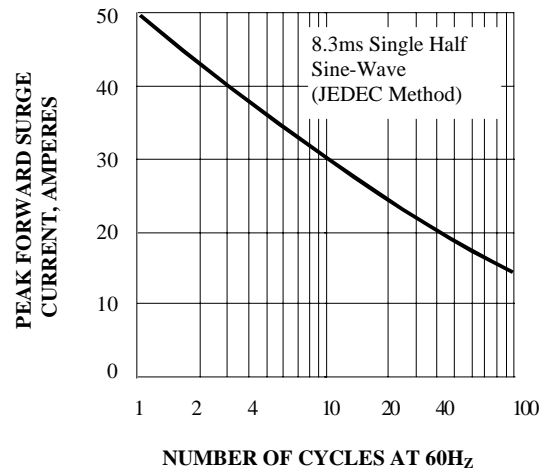


FIG. 5 - TYPICAL JUNCTION CAPACITANCE

