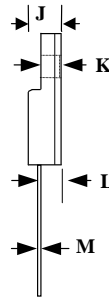
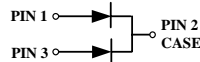
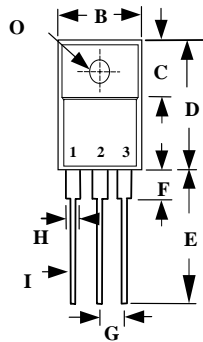


**8A DUAL SCHOTTKY BARRIER RECTIFIERS**

CASE : ITO-220AB( SRF8-xx ) , FULLY INSULATED PACKAGE



	MILLIMETERS	
	MIN	MAX
B	9.72	10.27
C	6.30	6.90
D	14.50	15.50
E	13.00	13.80
F	-	4.1
G	2.41	2.67
H	-	1.52
I	-	0.9
J	-	4.8
K	-	3.1
L	2.5	2.9
M	-	0.8
O	-	Ø 3.4

**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 28
- POLARITY : AS MARKED
- WEIGHT : 2.05 GRAMS

**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	SRF8-02CT	SRF8-03CT	SRF8-04CT	SRF8-045CT	SRF8-05CT	SRF8-06CT	SRF8-07CT	SRF8-8CT	SRF8-09CT	SRF8-10CT	UNITS
MAXIMUM RECURRENT PEAK REVERSE VOLTAGE	$V_{RRM}$	20	30	40	45	50	60	70	80	90	100	V
MAXIMUM RMS VOLTAGE	$V_{RMS}$	14	21	28	31	35	42	49	56	63	70	V
MAXIMUM DC BLOCKING VOLTAGE	$V_{DC}$	20	30	40	45	50	60	70	80	90	100	V
MAXIMUM AVERAGE FORWARD RECTIFIED CURRENT SEE FIG.1 PER LEG	$I_O$	8.0 4.0										A
PEAK FORWARD SURGE CURRENT, 8.3ms SINGLE HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD PER LEG	$I_{FSM}$	150										A
STORAGE TEMPERATURE RANGE	$T_{STG}$	- 55 TO + 150										°C
OPERATING TEMPERATURE RANGE	$T_{OP}$	- 55 TO + 125										°C

**ELECTRICAL CHARACTERISTICS (A<sub>T</sub> T<sub>A</sub> =25°C UNLESS OTHERWISE NOTED)**

CHARACTERISTICS	SYMBOL	SRF8-02CT	SRF8-03CT	SRF8-04CT	SRF8-045CT	SRF8-05CT	SRF8-06CT	SRF8-07CT	SRF8-8CT	SRF8-09CT	SRF8-10CT	UNITS
MAXIMUM FORWARD VOLTAGE AT 4.0A PER LEG	$V_F$	0.55			0.70			0.80				V
MAXIMUM REVERSE CURRENT AT 25°C PER LEG (NOTE 1)	$I_R$	5.0										mA
MAXIMUM REVERSE CURRENT AT 100°C PER LEG (NOTE 1)	$I_R$	50.0										mA

**THERMAL CHARACTERISTICS (T<sub>c</sub> =25°C UNLESS OTHERWISE NOTED )**

PARAMETER	SYMBOL	SRF8	UNITS
TYPICAL THERMAL RESISTANCE JUNCTION TO CASE PER LEG	$R_{\theta jc}$	6.0	°C/W

NOTES : 1. PULSE TEST: 300μS PULSE WIDTH, 1% DUTY CYCLE

# RATINGS AND CHARACTERISTIC CURVES OF SRF8-02CT AND SRF8-10CT

FIG. 1 - FORWARD CURRENT DERATING CURVE

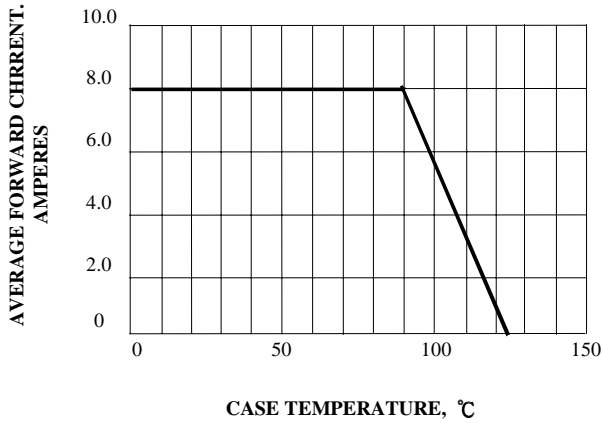


FIG. 2 - MAXIMUM NON-REPETITIVE SURGE CURRENT

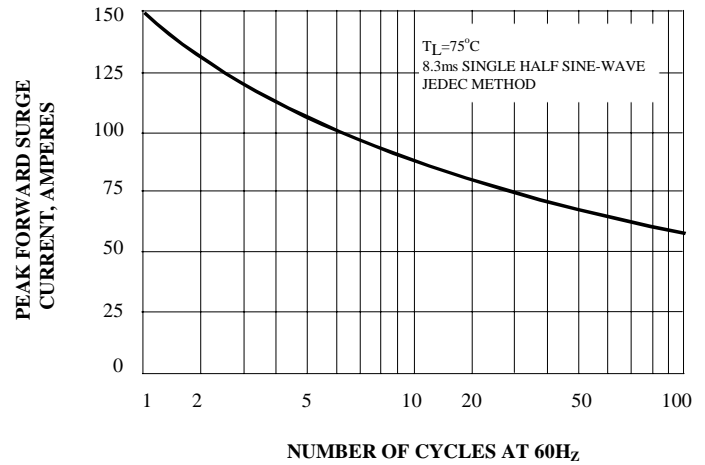


FIG. 3 - TYPICAL REVERSE CHARACTERISTICS

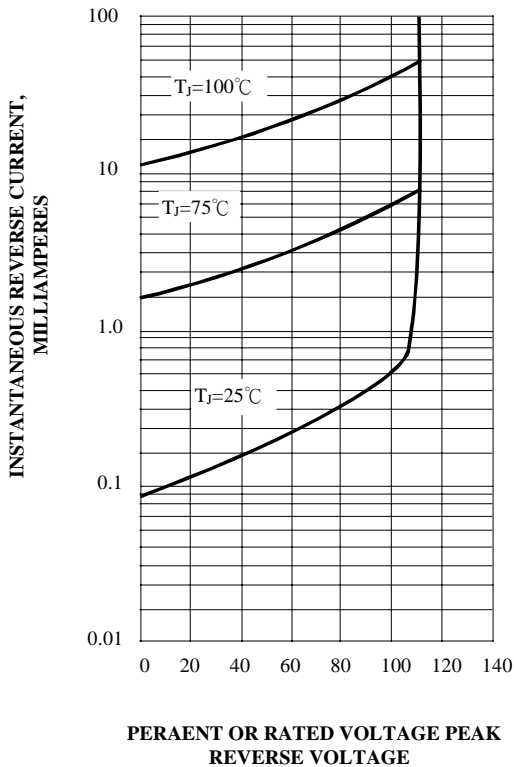


FIG. 4 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

