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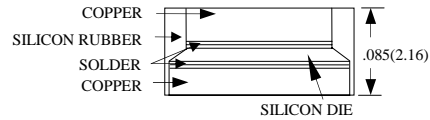
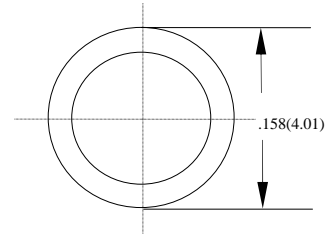
Web: <http://www.frontierusa.com>

3A SILICON RECTIFIER CELL

SC30-005 THRU SC30-10

FEATURES

- IDEAL FOR HYBRID CIRCUITS
 - SOLDER MOUNTING SURFACES
 - TYPICAL I_R LESS THAN $1\mu A$
 - DIFFUSED JUNCTION
 - HIGH SURGE CAPABILITY
 - MOUNTING POSITION: ANY
 - PR4 PACKAGE DIMENSIONS IN INCHES AND (MILLIMETERS)
- CELL DESIGNATION: A SUFFIX LETTER IS ADDED TO THE PRIMARY CELL DESIGNATION TO INDICATES THE CELL VOLTAGE



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	SC30-005	SC30-01	SC30-02	SC30-04	SC30-06	SC30-08	SC30-10	UNITS
MAXIMUM RECURRENT PEAK REVERSE VOLTAGE	V_{RRM}	50	100	200	400	600	800	1000	V
MAXIMUM RMS VOLTAGE	V_{RMS}	35	70	140	280	420	560	700	V
MAXIMUM DC BLOCKING VOLTAGE	V_{DC}	50	100	200	400	600	800	1000	V
MAXIMUM AVERAGE FORWARD RECTIFIER CURRENT @ TC 100°C	I_O	3.0							A
PEAK FORWARD SURGE CURRENT 8.3m SINGLE HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD JEDEC METHOD	I_{FSM}	150							A
STORAGE TEMPERATURE RANGE	T_{STG}	- 55 TO + 150							°C
OPERATING TEMPERATURE RANGE	T_{OP}	- 55 TO + 150							°C

ELECTRICAL CHARACTERISTICS (@ $T_A = 25^\circ C$ UNLESS OTHERWISE NOTED)

CHARACTERISTICS	SYMBOL	SC30-005	SC30-01	SC30-02	SC30-04	SC30-06	SC30-08	SC30-10	UNITS
MAXIMUM FORWARD VOLTAGE AT SPECIFIED CURRENT SC30 @ IF 3.0A	V_F	1.2							V
MAXIMUM REVERSE LEAKAGE CURRENT AT RATED DC BLOCKING VOLTAGE	I_R	10							μA