RATING AND CHARACTERISTICS CURVES (1N5400G THRU 1N5408G)
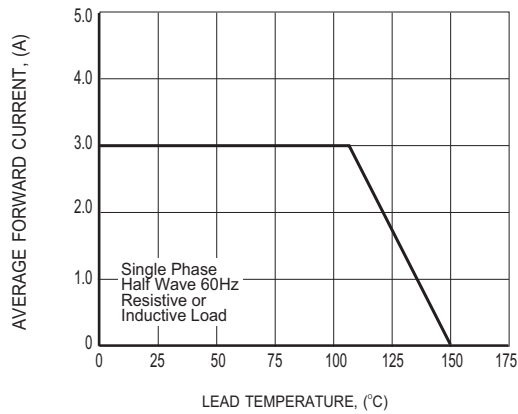

FIG.1 TYPICAL FORWARD CURRENT
DERATING CURVE
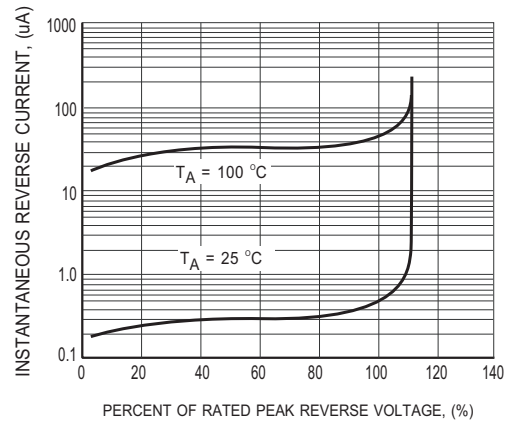
Single Phase
Half Wave 60Hz
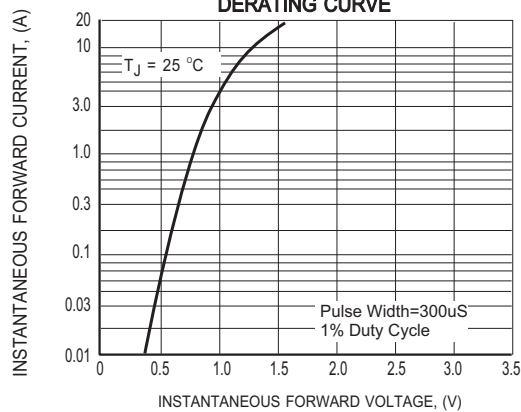Resistive or
Inductive Load

AVERAGE FORWARD CURRENT, (A)

LEAD TEMPERATURE, ($^{\circ}$C)

FIG.2 MAXIMUM REVERSE
CHARACTERISTICS

T_A = 100 $^{\circ}$C

T_A = 25 $^{\circ}$C

INSTANTANEOUS REVERSE CURRENT, (uA)

PERCENT OF RATED PEAK REVERSE VOLTAGE, (%)

FIG.3 MAXIMUM INSTANTANEOUS FORWARD
CHARACTERISTICS

T_J = 25 $^{\circ}$C

Pulse Width=300uS
1% Duty Cycle

INSTANTANEOUS FORWARD CURRENT, (A)

INSTANTANEOUS FORWARD VOLTAGE, (V)
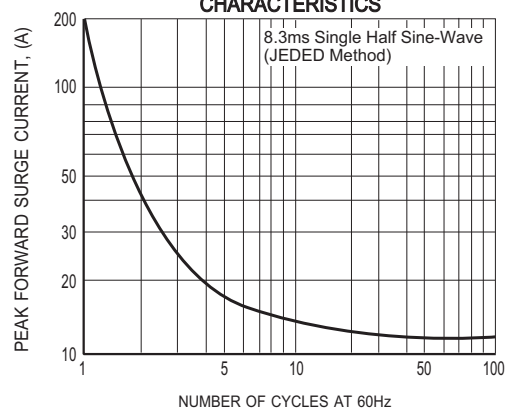
FIG.4 MAXIMUM NON-REPETITIVE FORWARD
SURGE CURRENT

8.3ms Single Half Sine-Wave
(JEDED Method)

PEAK FORWARD SURGE CURRENT, (A)

NUMBER OF CYCLES AT 60Hz
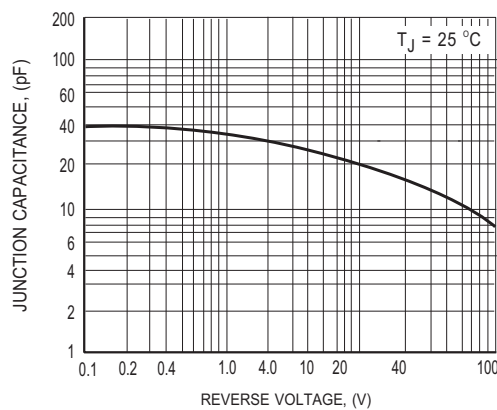
FIG.5 TYPICAL JUNCTION CAPACITANCE

T_J = 25 $^{\circ}$C

JUNCTION CAPACITANCE, (pF)

REVERSE VOLTAGE, (V)

RECTRON

Marking Description

Plant - code   ◄———— Cathode Band

                             Year – code

Rectron Logo   ➔   **V   X   X**   (Y: Last digit of year &
                                     A:2010, B:2011…..)

                                   Month – code

Part No. ———➔   **1 N 5 4 0 X**G   (M: 0~9, O, N, D)

                                 Voltage-code

0-------50V		6-------600V	
1-------100V		7-------800V	
2-------200V		8-------1000V	
4-------400V			
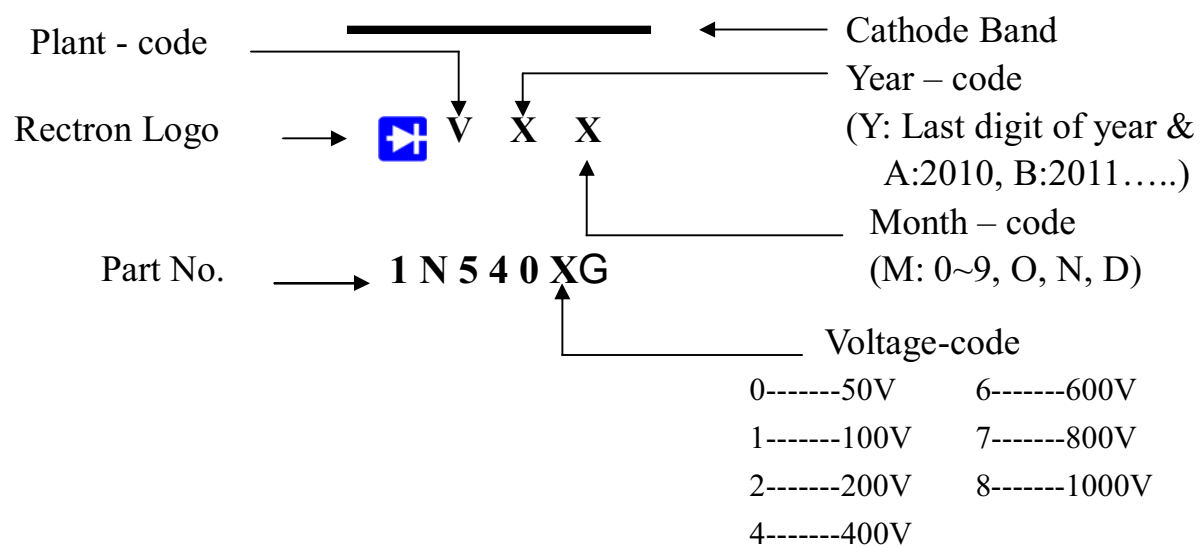
PACKAGING OF DIODE AND BRIDGE RECTIFIERS

BULK   PACK

| PACKAGE	PACKING CODE	EA PER BOX	INNER BOX SIZE (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
DO-201	-B	500	300*73*40	347*320*271	12,000	15.9

REEL   PACK

PACKAGE	PACKING CODE	EA PER REEL	EA PER INNER BOX	COMPONENT SPACE (mm)	TAPE SPACE (mm)	REEL DIA (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
DO-201	-T	1,200	1,200	5.0	52	330	355*350*335	4,800	9.10

AMMO   PACK

PACKAGE	PACKING CODE	REEL (EA)	COMPONENT SPACE(mm)	TAPE SPACE (mm)	BOX SIZE (mm)	CARTON SIZE(mm)	CARTON (EA)	GROSS WEIGHT (Kg)
DO-201	-F	600	9.5	52	255*73*100	400*268*225	6,000	9.9

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WAVE SOLDERING
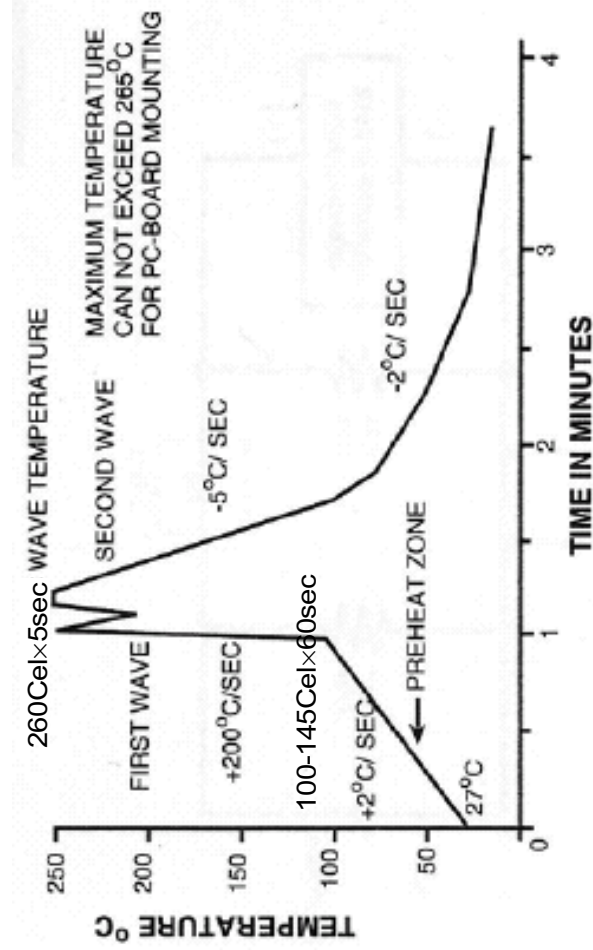
IR Re-flow
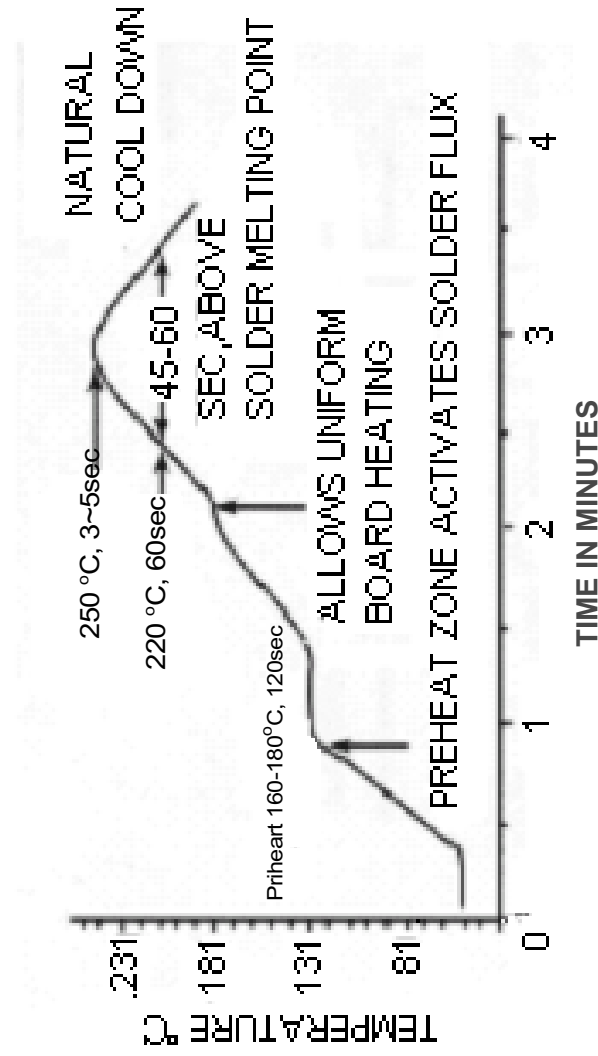

Note: Hand Soldering : 350°C / 3sec

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RECTRON