

MAXIMUM RATINGS PER DIODE			
PARAMETER	SYMBOL		UNITS
WORKING PEAK REVERSE VOLTAGE	VRRM	100	V
AVERAGE FORWARD CURRENT	IF(AV)	70	A
PEAK ONE CYCLE NON-REPETITIVE SURGE CURRENT	IFSM	600	A
PEAK REPETITIVE REVERSE CURRENT	IRRM	1.0	A
OPERATING JUNCTION TEMPERATURE RANGE	TJ	-65 TO +175	°C
STORAGE TEMPERATURE RANGE	Tstg	-55 TO +150	°C
THERMAL RESISTANCE JUNCTION TO CASE	RtJc	1.0	°C/W

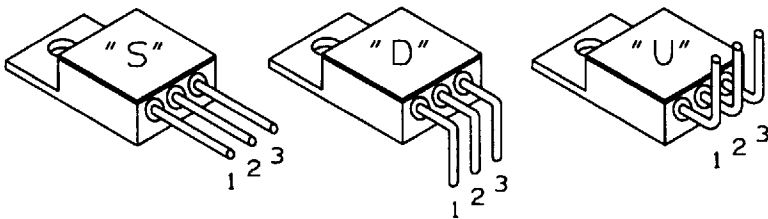
100V, 60A, 1.15V

SDR60100 JAA
 SDR60100 JAB

FEATURES

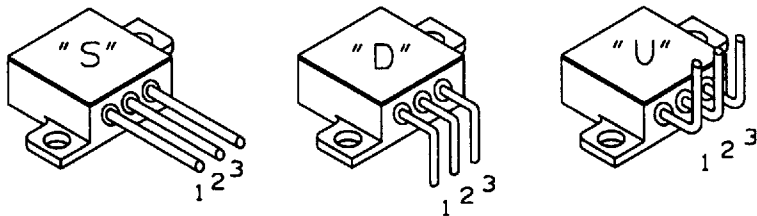
- RUGGED PACKAGE
- HI-REL CONSTRUCTION
- CERAMIC EYELETS
- LEAD BENDING OPTIONS
- COPPER CORED 52 ALLOY PINS
- LOW IR LOSSES
- LOW THERMAL RESISTANCE
- OPTIONAL MIL-S-19500 SCREENING

STANDARD BEND CONFIGURATIONS JAA



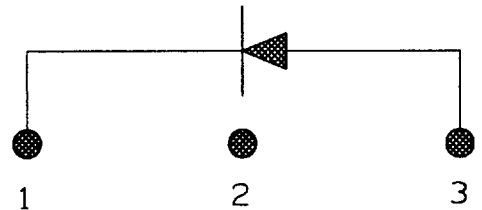
(CUSTOM BEND OPTIONS AVAILABLE)

STANDARD BEND CONFIGURATIONS JAB



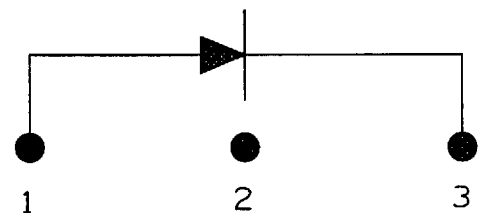
(CUSTOM BEND OPTIONS AVAILABLE)

"J" SCHEMATIC



TERMINAL CONNECTIONS
 1 = CATHODE
 2 = NO CONN.
 3 = ANODE
 CASE = NO CONNECTION

"N" SCHEMATIC



TERMINAL CONNECTIONS
 1 = ANODE
 2 = NO CONN.
 3 = CATHODE
 CASE = NO CONNECTION

ELECTRICAL CHARACTERISTICS T _c = 25°C (UNLESS OTHERWISE SPECIFIED)					
PARAMETER	SYMBOL	TEST CONDITIONS			UNITS
MAX. PEAK FORWARD VOLTAGE ①	VF	TJ=25°C	IFM=60A	1.15	V
MAX. PEAK REVERSE CURRENT ①	IRM	TJ=25°C	VRWM=100V	20	μA
		TJ=125°C		45	mA
CAPACITANCE	C†	Tc=25°C, f=100KHZ	VR=5VDC TO 1 MHz	1800	Pf

(1) PULSE TEST: PULSE WIDTH 300μS, DUTY CYCLE 2%.