

SCHOTTKY POWER RECTIFIERS

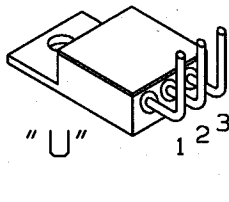
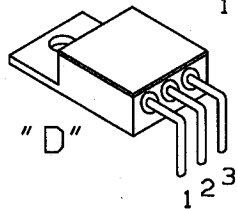
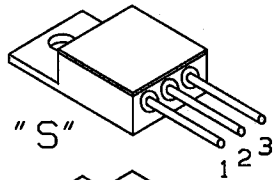
45V, 10A, 0.65V

SDS10045 JAA
 SDS10045 JAB
 SDS10045 JDA
 SDS10045 JFA
 SDS10045 JFB

FEATURES

- RUGGED PACKAGE
- HI-REL CONSTRUCTION
- CERAMIC EYELETS: JAA, JAB, JFA, JFB
- LEAD BENDING OPTIONS
- COPPER CORED 52 ALLOY PINS
- LOW IR LOSSES
- LOW THERMAL RESISTANCE
- OPTIONAL MIL-S-19500 OR MIL-STD-883 SCREENING

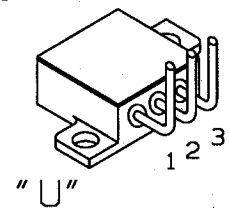
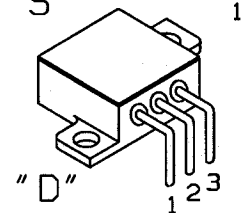
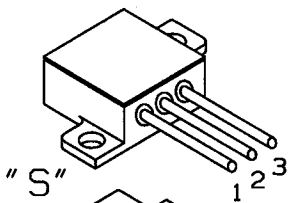
STANDARD BEND CONFIGURATIONS



JAA
 JDA
 JFA

(CUSTOM BEND OPTIONS AVAILABLE)

STANDARD BEND CONFIGURATIONS



JAB
 JFB

(CUSTOM BEND OPTIONS AVAILABLE)

MAXIMUM RATINGS PER DIODE

PARAMETER	SYMBOL		UNITS
WORKING PEAK REVERSE VOLTAGE	VRRM	45	V
AVERAGE FORWARD CURRENT	IF(AV)	10	A
PEAK ONE CYCLE NON-REPETITIVE, SURGE CURRENT	IFSM	260	A
PEAK REPETITIVE REVERSE CURRENT	IRRM	1.0	A
OPERATING JUNCTION TEMPERATURE RANGE	TJ	-65 TO +150	°C
STORAGE TEMPERATURE RANGE	Tstg	-65 TO +150	°C
THERMAL RESISTANCE JUNCTION TO CASE	RθJc	3.0	°C/W

ELECTRICAL CHARACTERISTICS T_c = 25°C (UNLESS OTHERWISE SPECIFIED)

PARAMETER	SYMBOL	TEST CONDITIONS		UNITS
MAX. PEAK FORWARD VOLTAGE ①	V _F	T _J = 25°C IFM = 10A	0.65	V
MAX. PEAK REVERSE CURRENT ①	I _{RM}	T _J = 25°C	6	mA
		T _J = 125°C VRWM = 45V	25	
CAPACITANCE	C _t	T _c = 25°C, VR = 5VDC f = 100KHZ TO 1 MHZ	1000	Pf

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

