

SCHOTTKY POWER RECTIFIERS

45V, 75A, 0.85V

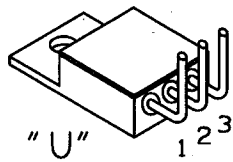
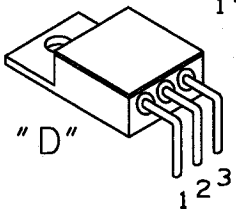
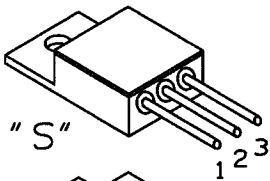
SDS75045 JAA
 SDS75045 JAB
 SDS75045 JEA
 SDS75045 JEB
 SDS75045 JEC
 SDS75045 JED

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 OR MIL-STD-883 SCREENING

STANDARD BEND CONFIGURATIONS

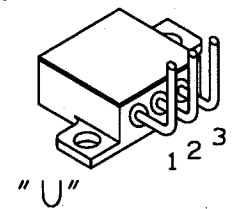
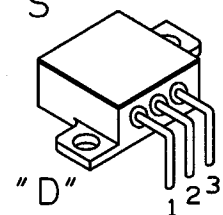
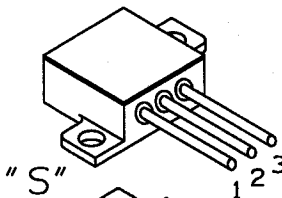
JAA
 JEA
 JEC



(CUSTOM BEND OPTIONS AVAILABLE)

STANDARD BEND CONFIGURATIONS

JAB
 JEB
 JED



(CUSTOM BEND OPTIONS AVAILABLE)

MAXIMUM RATINGS PER DIODE

PARAMETER	SYMBOL		UNITS
WORKING PEAK REVERSE VOLTAGE	VRRM	45	V
AVERAGE FORWARD CURRENT	IF(AV)	75	A
PEAK ONE CYCLE NON-REPETITIVE SURGE CURRENT	IFSM	955	A
PEAK REPETITIVE REVERSE CURRENT	IRRM	2.0	A
OPERATING JUNCTION TEMPERATURE RANGE	TJ	-65 TO +175	°C
STORAGE TEMPERATURE RANGE	Tstg	-65 TO +175	°C
THERMAL RESISTANCE JUNCTION TO CASE	RtJc	1.0	°C/W

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

PARAMETER	SYMBOL	TEST CONDITIONS		UNITS
MAX. PEAK FORWARD VOLTAGE ①	VF	TJ=25°C IFM=75A	0.95	V
MAX. PEAK REVERSE CURRENT ①	IRM	TJ=25°C	20	mA
		TJ=125°C VRWM=45V	45	
CAPACITANCE	Ct	Tc=25°C, VR=5VDC f=100KHZ TO 1 MHZ	2900	Pf

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

