

PRODUCT CATALOG

SCHOTTKY POWER RECTIFIERS

3301 ELECTRONICS WAY • WEST PALM BEACH, FLORIDA 33407
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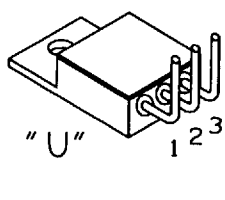
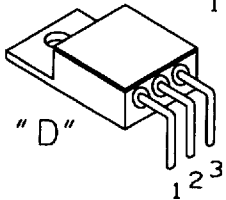
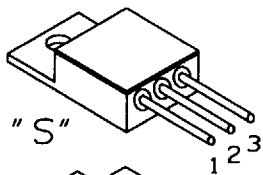
45V, 75A, 0.85V	
SDS75045	JAA
SDS75045	JAB
SDS75045	JEA
SDS75045	JEB
SDS75045	JEC
SDS75045	JED

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

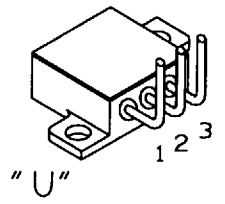
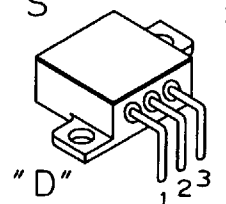
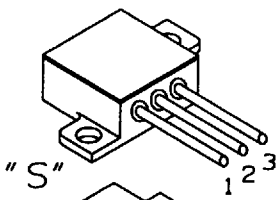
JAA
JEA
JEC



(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	RθJc	1.0	°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=75A	0.95	V
MAX. PEAK REVERSE CURRENT ①	I _{RM}	T _J =25°C VRWM=45V	20	mA
		T _J =125°C	45	
CAPACITANCE	C _t	T _c =25°C, VR=5VDC f=100KHZ TO 1 MHZ	2900	Pf

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

"J"

"N"

"K"

"L"

"M"

PIN	"J"	"K"	"L"	"M"	"N"
1	CATHODE	ANODE	CATHODE	CATHODE	ANODE
2	NO CONN.	COMMON	COMMON	COMMON	NO CONN.
3	ANODE	ANODE	CATHODE	ANODE	CATHODE
PKG.	JAA, JAB	JEA, JEB JEC, JED	JEA, JEB JEC, JED	JEA, JEB JEC, JED	JAA, JAB

CASE = NO CONNECTION

REV. 6-93