

PRODUCT CATALOG

SCHOTTKY POWER RECTIFIERS

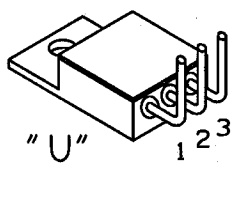
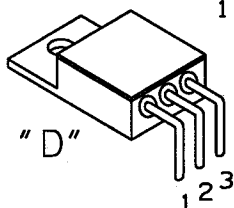
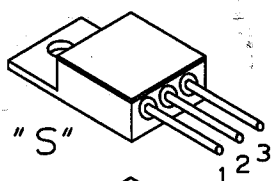
45V, 18A, 0.65V

SDS18045 JAA
SDS18045 JAB
SDS18045 JEA
SDS18045 JEB
SDS18045 JEC
SDS18045 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

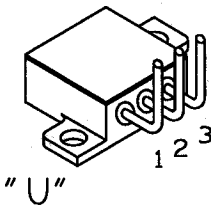
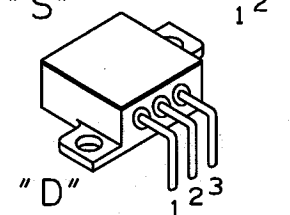
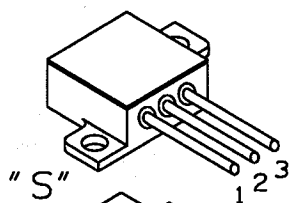
STANDARD BEND CONFIGURATIONS



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)	18	A
PEAK ONE CYCLE NON-REPETITIVE, SURGE CURRENT	IFSM	380	A
PEAK REPETITIVE REVERSE CURRENT	IRRM	1.0	A
OPERATING JUNCTION TEMPERATURE RANGE	TJ	-65 TO +150	°C
STORAGE TEMPERATURE RANGE	Tstg	-65 TO +175	°C
THERMAL RESISTANCE JUNCTION TO CASE	RtJc	2.0	°C/W

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

PARAMETER	SYMBOL	TEST CONDITIONS		UNITS
MAX. PEAK FORWARD VOLTAGE ①	VF	TJ=25°C IFM=18A	0.65	V
MAX. PEAK REVERSE CURRENT ①	IRM	TJ=25°C TJ=125°C VRWM=45V	2 40	mA
CAPACITANCE	Ct	Tc=25°C, VR=5VDC f=100KHZ TO 1 MHZ	1400	Pf

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

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					