

PRODUCT CATALOG

SCHOTTKY POWER RECTIFIERS

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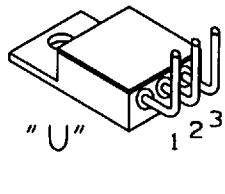
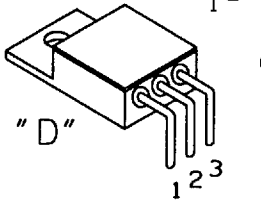
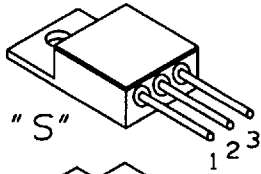
45V, 18A, 0.65V

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

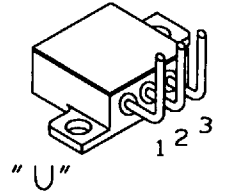
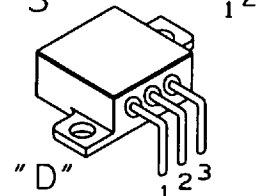
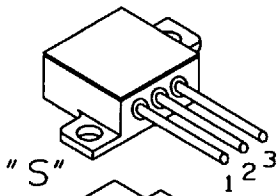
STANDARD BEND CONFIGURATIONS



JAA
 JEA
 JEC

(CUSTOM BEND OPTIONS AVAILABLE)

STANDARD BEND CONFIGURATIONS



JAB
 JEB
 JED

(CUSTOM BEND OPTIONS AVAILABLE)

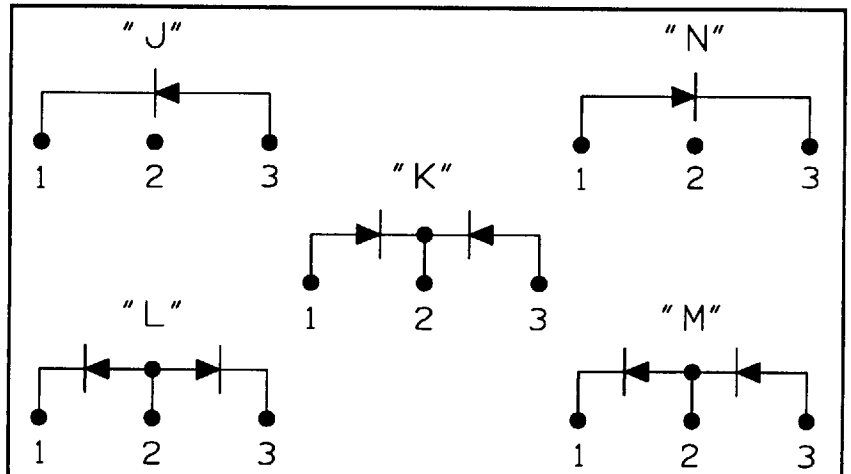
MAXIMUM RATINGS PER DIODE

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	RθJc	2.0	°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=18A	0.65	V
MAX. PEAK REVERSE CURRENT (1)	IRM	TJ=25°C VRWM=45V	2	mA
		TJ=125°C	40	
CAPACITANCE	Ct	Tc=25°C, VR=5VDC TO 1 MHz f=100KHZ	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