

MAXIMUM RATINGS PER DIODE			
PARAMETER	SYMBOL		UNITS
WORKING PEAK REVERSE VOLTAGE	VRRM	45	V
AVERAGE FORWARD CURRENT	IF(AV)	13	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 Tc=25°C (UNLESS OTHERWISE SPECIFIED)				
PARAMETER	SYMBOL	TEST CONDITIONS		UNITS
MAX. PEAK FORWARD VOLTAGE ①	VF	TJ=25°C IFM=13A	0.70	V
MAX. PEAK REVERSE CURRENT ①	IRM	TJ=25°C	6	mA
		TJ=125°C	25	
CAPACITANCE	Ct	Tc=25°C, VR=5VDC f=100KHZ TO 1 MHZ	1000	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 JDA, JFA JFB	JAA, JAB JDA, JFA JFB	JAA, JAB JFA, JFB	JAA, JAB JFA, JFB	JAA, JAB JDA, JFA JFB

CASE = NO CONNECTION

45V, 13A, 0.70V
SDS13045 JAA
SDS13045 JAB
SDS13045 JDA
SDS13045 JFA
SDS13045 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

"S"

"D"

"U"

JAA
JDA
JFA

(CUSTOM BEND OPTIONS AVAILABLE)

STANDARD BEND CONFIGURATIONS

"S"

"D"

"U"

JAB
JFB

(CUSTOM BEND OPTIONS AVAILABLE)