

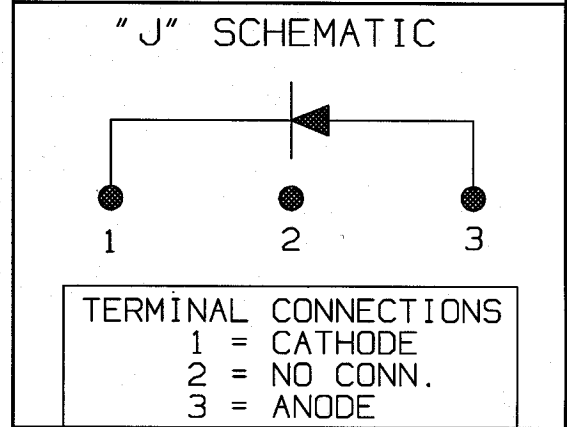
ULTRA FAST RECOVERY RECTIFIERS

MAXIMUM RATINGS PER DIODE			
PARAMETER	SYMBOL		UNITS
WORKING PEAK REVERSE VOLTAGE	VRRM	500	V
AVERAGE FORWARD CURRENT	IF(AV)	6	A
PEAK ONE CYCLE NON-REPETITIVE SURGE CURRENT	IFSM	100	A
PEAK REPETITIVE REVERSE CURRENT	IRRM	2.2	A
OPERATING JUNCTION TEMPERATURE RANGE	TJ	+150	°C
STORAGE TEMPERATURE RANGE	Tstg	-55 TO +150	°C
THERMAL RESISTANCE JUNCTION TO CASE	RtJc	2.5	°C/W

500V, 6A, 35ns  
 SDR6500 JAA  
 SDR6500 JAB

- 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 SCREENING

ELECTRICAL CHARACTERISTICS T <sub>c</sub> = 25°C (UNLESS OTHERWISE SPECIFIED)				
PARAMETER	SYMBOL	TEST CONDITIONS		UNITS
MAX. PEAK FORWARD VOLTAGE ①	VF	TJ=25°C IFM=6.0A	1.6	V
MAX. PEAK REVERSE CURRENT ①	IRM	TJ=25°C	60	μA
		TJ=125°C VRWM=400V	1.5	mA
REVERSE RECOVERY	t <sub>rr</sub>	IF=0.5A, IR=1A IREC=0.25A	50	ns



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

