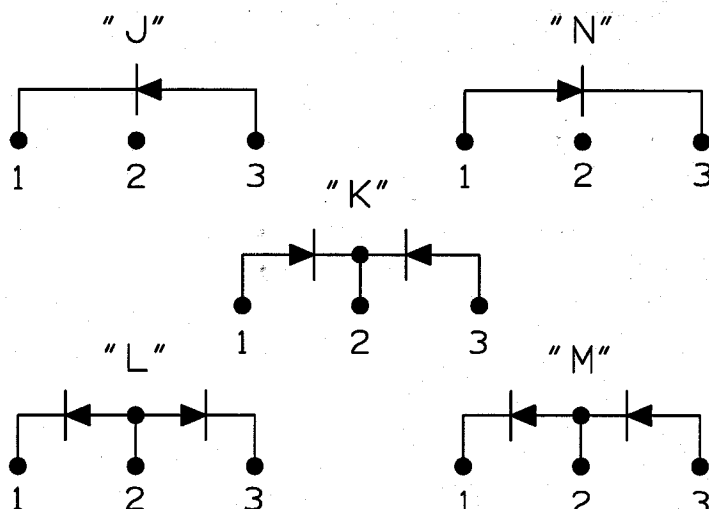


MAXIMUM RATINGS PER DIODE			
PARAMETER	SYMBOL		UNITS
WORKING PEAK REVERSE VOLTAGE	VRRM	700	V
AVERAGE FORWARD CURRENT	IF(AV)	70	A
PEAK ONE CYCLE NON-REPETITIVE SURGE CURRENT	IFSM	700	A
OPERATING JUNCTION TEMPERATURE RANGE	TJ	-55 TO +175	°C
STORAGE TEMPERATURE RANGE	Tstg	-55 TO +175	°C
THERMAL RESISTANCE JUNCTION TO CASE	RθJc	0.8	°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=70A	1.5		V
MAX. PEAK REVERSE CURRENT ①	IRM	TJ=25°C TJ=125°C VRWM=700V	50		μA
			5.0		mA
REVERSE RECOVERY	t _{rr}	IF=0.5A, IR=1A IREC=0.25A	75		ns

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

PIN OUT CONFIGURATIONS



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.	JEC, JED	JEC, JED	JEC, JED	JEC, JED	JEC, JED

CASE = NO CONNECTION

700V, 70A, 75ns

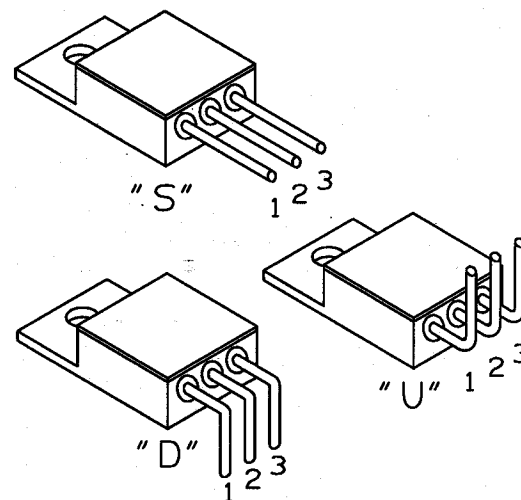
SDR70700 JEC
SDR70700 JED

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

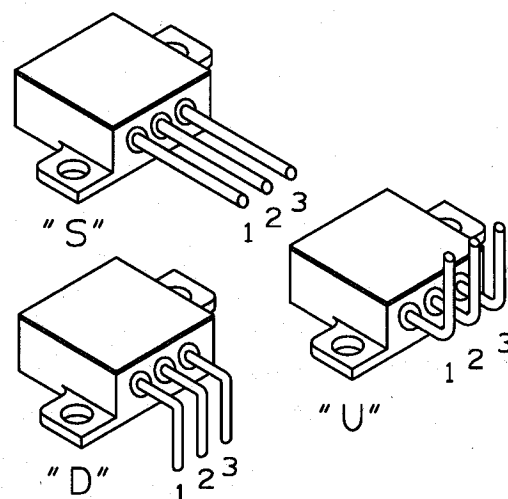
JEC



(CUSTOM BEND OPTIONS AVAILABLE)

STANDARD BEND CONFIGURATIONS

JED



(CUSTOM BEND OPTIONS AVAILABLE)