SERTECH LABS

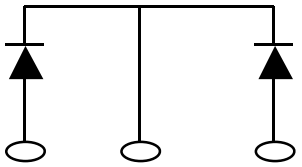
A Microsemi Company
580 Pleasant St.
Watertown, MA 02172

Phone: 617-924-9280
Fax: 617-924-1235

1N6672
JAN, JANTX, JANTXV

POWER PRODUCT SPECIFICATION

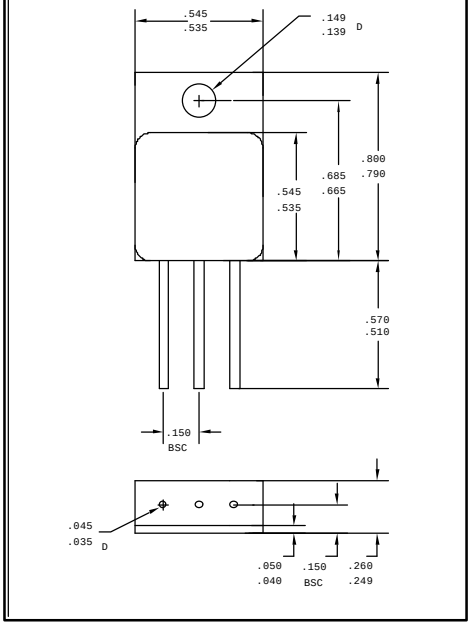
30 A 300V COMMON CATHODE DUAL ULTRAFAST RECTIFIER



FEATURES:

- QUALIFIED PARTS LISTING: MIL-PRF-19500/617
- LOW FORWARD VOLTAGE DROP
- ISOLATED HERMETICALLY SEALED PACKAGE
- RUGGED CERAMIC FEEDTHROUGH CONSTRUCTION

PHYSICAL DIMENSIONS



Package Designation: TO-254
PIN # 1: ANODE
PIN # 2: CATHODE
PIN # 3: ANODE

Absolute Maximum Ratings:

Symbol		Parameter	Limit	Unit
VRWM	*1	Peak Repetitive Reverse Voltage	300	Vdc
VRRM	*1	Working Peak Reverse Voltage	300	Vdc
VR	*1	DC Blocking Voltage	300	Vdc
IO	*1	Average Forward Current, TC= 100 °C	15	Adc
IFSM	*1	Peak Surge Current	150	A(pk)
ROJC	*1	Thermal Resistance, Junction to Case	2.0	°C/W
ROJA	*1	Thermal Resistance, Junction to Ambient	40	°C/W
Tj		Operating Junction Temperature Range	-65 to +200	°C
Tstg		Storage Temperature Range	-65 to +200	°C

NOTE 1: EACH INDIVIDUAL DIODE

Electrical Characteristics (Per Diode) @ 25°C unless otherwise specified

Symbol	Parameter	Conditions	Min	Max	Unit
Vf1	Forward Voltage	If = 10A(pk)		1.35	Vdc
Vf2	Forward Voltage	If = 20A(pk)		1.55	Vdc
IR1	Reverse Current	VR = 240Vdc		50.0	uA
IR2	Reverse Current	VR = 240Vdc TC=100° C		5.0	mA
Vf3	Forward Voltage	If = 10A(pk), TA= -65°C		1.45	Vdc
trr	Reverse Recovery Time	Cond. B, If=.5Adc, IR=1A, IRR=.25A		35	ns
Cj	Junction Capacitance	VR= 10Vdc, f=1MHz		150	pF

Sertech reserves the right to make changes to any product design, specification or other information at any time without prior notice.

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