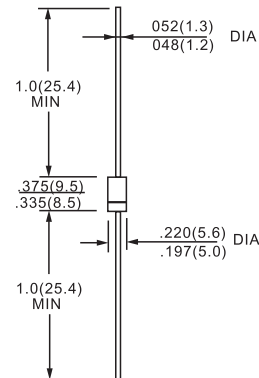




FEATURES

- Repetitive Peak Reverse Voltage
- Average Forward Current
- Peak One Cycle Surge Forward Current

DO-27



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

MAXIMUM RATINGS

CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	3BZ41	V_{RRM}	100	V
	3GZ41		400	
	3JZ41		600	
	3NZ41		1000	
Average Forward Current		$I_{F(AV)}$	3.0	A
Peak One Cycle Surge Forward Current		I_{FSM}	180(50Hz)	A
			200(60Hz)	
Junction Temperature		T_j	-40~150	°C
Storage Temperature Range		T_{stg}	-40~150	°C

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYPE	MAX	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM} = 3.0A$	—	—	1.2	V
Repetitive Peak Reverse Current	$I_{RRM} (1)$	$V_{RRM} = \text{Rated}$	—	—	30	uA
Thermal Resistance	$R_{th(j-a)}$	DC	—	—	37	°C/W



TAYCHIPST

GENERAL PURPOSE RECTIFIER APPLICATION

3BZ41,3GZ41,3JZ41,3NZ41

100V-1000V 3.0A

RATINGS AND CHARACTERISTIC CURVES 3BZ41,3GZ41,3JZ41,3NZ41

