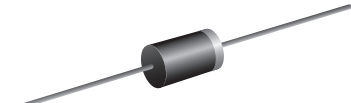


## Fast Switching Plastic Rectifier



DO-204AL (DO-41)

### FEATURES

- Fauvuy ichipg fqt high efficiepc
- Lqy fqtq atd xqage dtqr
- Lqy leakage cwttepv
- High fqtq atd umtge car abi
- Solet dir 275 °C o az. 10 u, r et JESD 22-B106
- Cqor rapv vq RqHS ditecvixe 2002/95/EC apd ip accqtdapce vq WEEE 2002/96/EC



**RoHS**  
COMPLIANT

### TYPICAL APPLICATIONS

Fqt wue ip fauv uy ichipg tecvificavipq qf r qy et uwr r, ipxetvetu, cqpxetvetu apd fteey heepg diqdeu fqt cquwo et apd vccqo o wpcavipq.

#### Note

- Theue dexiceu ate pqvAEC-Q101 swafied.

### MECHANICAL DATA

**Case:** DO-204AL, o qled er qz bqdc

Mqkipg cqo r qvqd o eew UL 94 V-0 fao o abi tavipg

Baue P/N-E3 - RqHS cqo r rapv, cqo o etcia gtrade

**Terorals:** Mave vip raved leadu, uqdetable r et J-STD-002 apd JESD 22-B102

E3 uwfiz o eew JESD 201 ctau 1A y hiuket veuv

**Purity:** Cqot bapd depqveu cavhqde epd

PRIMARY CHARACTERISTICS	
$I_{F(AV)}$	1.0 A
$V_{RRM}$	50 V vq 600 V
$I_{FSM}$	30 A
$t_t$	200 pu
$I_R$	5.0 $\mu$ A
$V_F$	1.2 V
$T_J$ o az.	150 °C

MAXIMUM RATINGS ( $T_A = 25\text{ °C}$ wpeu qvhetu iue pqved)							
PARAMETER	SYMBOL	1N4933	1N4934	1N4935	1N4936	1N4937	UNIT
Mazio wo ter evixe r eak textetue xqage	$V_{RRM}$	50	100	200	400	600	V
Mazio wo RMS xqage	$V_{RMS}$	35	70	145	280	420	V
Mazio wo DC bckkipg xqage	$V_{DC}$	50	100	200	400	600	V
Mazio wo axetage fqtq atd tecvified cwttepv 0.375" (9.5 o o) lead epgh av $T_A = 75\text{ °C}$	$I_{F(AV)}$	1.0					A
Peak fqtq atd umtge cwttepv 8.3 o u uipge ha uipe-y axe uwr etio r qued qp taved qad	$I_{FSM}$	30					A
Mazio wo textetue tecqet cwttepv	$I_{RM}$	2.0					A
Or etavipg jwpcvqpd apd uvqtage veo r etawte tapge	$T_J, T_{STG}$	- 50 vq + 150					°C

ELECTRICAL CHARACTERISTICS ( $T_A = 25\text{ °C}$ wpeu qvhetu iue pqved)								
PARAMETER	TEST CONDITIONS	SYMBOL	1N4933	1N4934	1N4935	1N4936	1N4937	UNIT
Mazio wo ipuapvapeqwu fqtq atd xqage	1.0 A	$V_F$	1.2					V
Mazio wo DC textetue cwttepv avtaved DC bckkipg xqage	$T_A = 25\text{ °C}$	$I_R$	5.0					$\mu$ A
	$T_A = 100\text{ °C}$		100					
Mazio wo textetue tecqet vio e	$I_F = 1.0\text{ A}, V_R = 30\text{ V}, di/dv = 50\text{ A}/\mu\text{u}, I_t = 10\% I_{RM}$	$t_t$	200					pu
Tr ica jwpcvqpd car acvapece	4.0 V, 1 MHz	$C_J$	12					r F



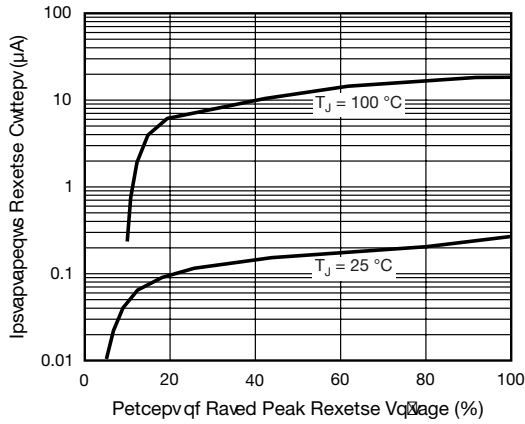


Fig. 5 - Tj ica Rexetue Chatacvetiuvicu

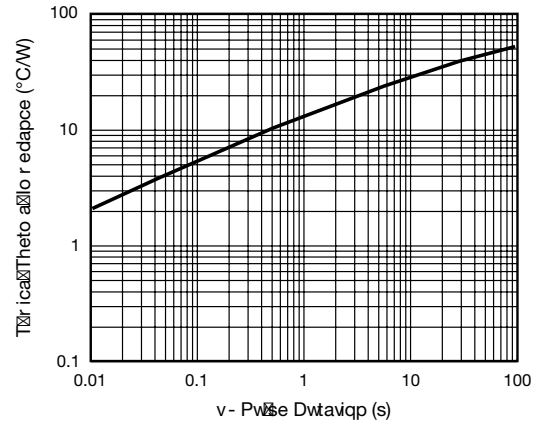


Fig. 7 - Tj ica TtapuepvTheto ailo r edapce

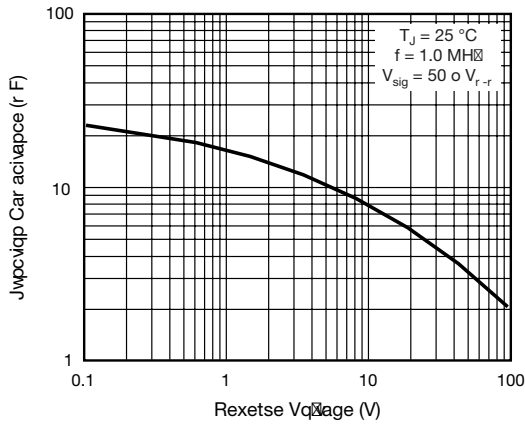


Fig. 6 - Tj ica Jwpcvqip Car aciapce

### PACKAGE OUTLINE DIMENSIONS ip ipcheu (o iro evetu)

#### DO-204AL (DO-41)

