



D10JB05A THRU D10JB100A

Bridge Rectifiers

Features

- " 8/ UHFRJQILWHRQ
- " *ODVV SDVVLYDWHG FKLS MXQFWLRQ
- " 7KLQ VLQJOH LQ OLQH SDFNDJH
- " +LJK VXUJH FXUUHQW FDSDELQW\
- " 6ROGHU GLS y & SPDJ -(6' %

Typical Applications

*HQHUDO SXUSRVH XVH LQ \$& '& EULGJH IXC
 IRU VZLWFKLQJ SRZHU VXSSO\ KRPH DSSOL
 HTXLSPHQW LQGDWLRQ LQSDOLVDFWLRQV

Mechanical Data

- " **Package** - %
 0ROGLQJ FRPSR\QG PHH\WPPDELQW\
 UDWLQJ 5RDOWRP\SDLRJHQ IUHH
- " **Terminals** 7LQ SODWHG OHDGV VROGHUDEOH S
 - 67' DQG -(6' %
- " **Polarity:** \$V PDUNHG RQ ERG\

Maximum Ratings

PARAMETER	SYMBOL	UNIT	D10JB05A	D10JB10A	D10JB20A	D10JB40A	D10JB60A	D10JB80A	D10JB100A
'HYLFH PDUNLQJ FRGH			' -%	\$ -%	\$ ' -%	\$ ' -%	\$ ' -%	\$ ' -%	\$% \$
0D[LPXP 5HSHWLWLYH 3HDN9510YHUUH 9ROWDJH									
0D[LPXP 506 9ROWDJH	9506	9							
0D[LPXP '& EORFNLQJ 9ROWDJH	9506	9							
\$YHUDJH 5HFWLILHG 2XW\$XW &XUUHQW # +] VLQH ZDYH 7D -	LWK KHDWVVLQN								
	LWKRXW KHDWVVLQN	\$							
)RUZDUG 6XUJH &XUUHQW # +] +DOI VLQH ZDYH - F\FOH 7M	1RQ UHSHWLWLYH								
)RUZDUG 6XUJH &XUUHQW # PV VTXDUH ZDYH - F\FOH 7M	1RQ UHSHWLWLYH								
&XUUHQW VTXDUHG WLPH # PV"W" PV 7MUDWLQJ RISHUWGLRGH	\$6H								
6WRUDJH WHPSHUDWXUH	7VWJ	-				a			
-XQFWLRQ WHPSHUDWXUH	7M	-				a			



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Electrical Characteristics

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	D10JB05	D10JB10A	D10JB20A	D10JB40A	D10JB60A	D10JB80A	D10JB100A
Forward Current	I_F	mA	$V_F = 1.5V, I_R = 0mA$	5	10	20	40	60	80	100
Reverse Current	I_R	μA	$V_F = 0V, I_F = 0mA$	0.5	1	2	4	6	8	10
Forward Voltage	V_F	V	$I_F = 10mA, I_R = 0mA$	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Reverse Voltage	V_R	V	$I_F = 0mA, I_R = 10mA$	5	5	5	5	5	5	5
Power Dissipation	P_D	mW	$T_C = 25°C$	50	100	200	400	600	800	1000

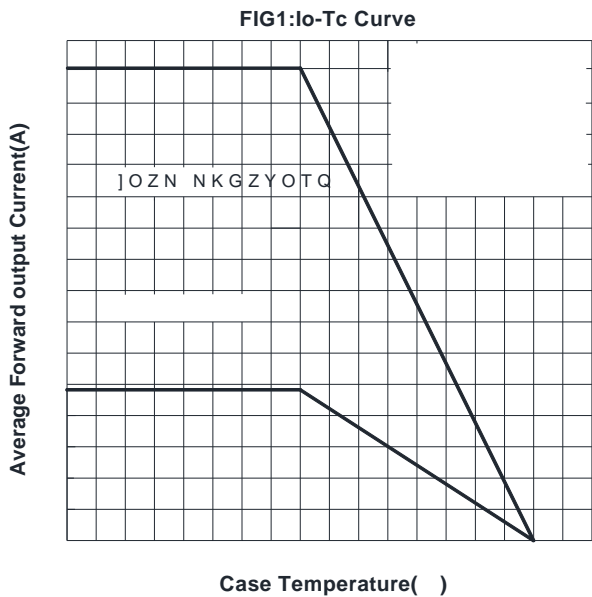
Thermal Characteristics

PARAMETER	SYMBOL	UNIT	D10JB05A	D10JB10A	D10JB20A	D10JB40A	D10JB60A	D10JB80A	D10JB100A
Thermal Resistance	θ_{JA}	$^{\circ}C/W$	25	25	25	25	25	25	25
Thermal Resistance	θ_{JC}	$^{\circ}C/W$	10	10	10	10	10	10	10
Thermal Resistance	θ_{CB}	$^{\circ}C/W$	1	1	1	1	1	1	1
Thermal Resistance	θ_{CH}	$^{\circ}C/W$	1	1	1	1	1	1	1

Ordering Information

PREFERRED P/N	PACKAGE CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
D10JB05A	05	0.5	1000	100	1000	Standard
D10JB10A	10	1.0	1000	100	1000	Standard
D10JB20A	20	2.0	1000	100	1000	Standard
D10JB40A	40	4.0	1000	100	1000	Standard
D10JB60A	60	6.0	1000	100	1000	Standard
D10JB80A	80	8.0	1000	100	1000	Standard
D10JB100A	100	10.0	1000	100	1000	Standard

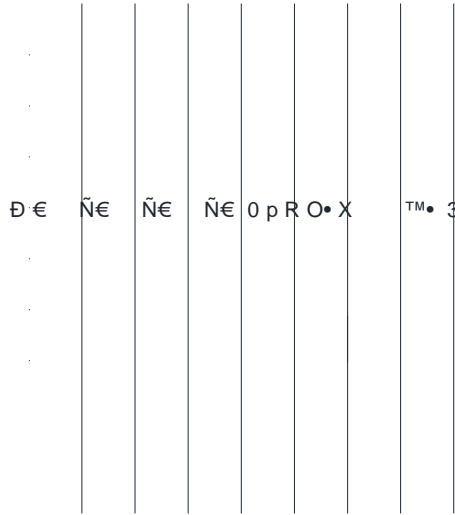
Characteristics





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FIG3: Typical Forward Voltage



vOutline Dimensions

JB		
Dim	Min	Max
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