



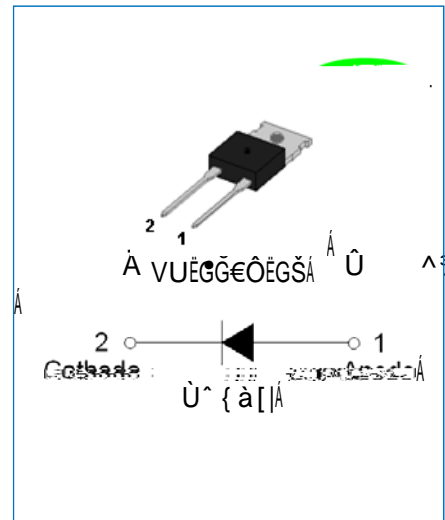
**JEUR3006CL**

**EPI ULTRAFAST RECOVERY RECTIFIER**

Rev.1.6

**DESCRIPTION**

Á Ú|æ•cá&Á|æ&\æ\*^Á@æ•Á~}á^!, íæc^!•Á|æà[!æc[!^Á-|æ { {æà|æc^Á Á  
 &|æ••â&æcá[ }ÁJIXÉÁ  
 Á Š^æáÁ-!^ÁÁ}Á&[ { ]|^Á, äc@AÖWAÜ[PÜÁGÉFFDÍÍDÖWAáá!^&cáç^Á  
 Á Š[ , Á!^ç^!•^Á|ææ\*^Á&~!;!^}cÁ  
 Á W|c!æ-æ•cÁ!^&[ç^!^Ácá { ^Áæ}áÁ•[-cÁ!^&[ç^!^Á&@æ!æ&c^!ä•cá&|c!æ-æ-  
 Á Y^ä\*•cKGÁ\*!æ { Á



**ABSOLUTE MAXIMUM RATING** ÇÜæcá } \*ÁæcÁGÍ Á &æ•^Ác^ { ]^!æc~!^Á~ }|^••Á[c@! , ä•^Á•]^&â-â^áÉD

Parameter	Symbol	JEUR3006CL	Unit
Tæcá { ~ { Á!^]^cáç^Á]^æ\Á!^ç^!•^Áç[ ææ*^Á	XÜÜTÁ	î€Á	XÁ
Tæcá { ~ { ÁÖÖÁà [\& \ä } *Áç[ ææ*^Á	XöoÁ	î€Á	XÁ
Tæcá { ~ { Áæç^!æ*^Á- [! , æ!áÁ&~!;!^}cÁæcÁ M€ÉÍ[L•~æ!^É , æç^Á ]~ ^LV { äMFFJ	QæççEXDÁ	H€Á	CEÁ
Ú^æ\Á- [! , æ!áÁ~!^Á&~!;!^}cÁÁÍÈH { •Á•ä } * ^Á@æ -Á•ä}^É , æç^Á •~]^!ä { ] ^Áá[ ]Á!æc^ á G			
Ú^æ\Á- [! , æ!áÁ~!^Á&~!;!^}cÁÁF€ { •Á•ä } * ^Á@æ -Á•ä}^É , æç^Á •~]^!ä { ] ^Áá[ ]Á!æc^ÁÁ æá		H€Á	
R~ }&cá[ ]^!æc~!^Áæ}áÁ•c!æ*^Ác^ { ]^!æc~!^Á!æ} *^Á	VäÉV•c^Á	ÉÍÍÁc[ÁÉFÍ€Á	Á

**ELECTRICAL CHARACTERISTICS**ÇÜæcá } \*ÁæcÁGÍ Á &æ•^Ác^ { ]^!æc~!^Á~ }|^••Á[c@! , ä•^Á•]^&â-â^áÉD 1 2 ) Á

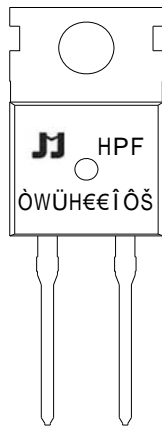
		øÁ	ÉÁ	FÉFÌÁ	FÉÍÍÁ	XÁ
			QøMH€CEÉV,MFÍ€ Á	ÉÁ	€€JÌÁ	
Ü^ç^!•^Á&~!;!^}cÁ Á	XüMî€€XÉV,MGÍ Á	QÜÁ	ÉÁ	ÉÁ	ÍÁ	~CEÁ
			XüMî€€XÉV,MFÍ€ Á	ÉÁ	ÉÁ	

Parameter	Symbol	Min.	Typ.	Max.	Unit
$V_{CE(sat)}$ $V_{CE(sat)}$	$V_{CE(sat)}$	$V_{CE(sat)}$	$V_{CE(sat)}$	$V_{CE(sat)}$	$V$
		$V_{CE(sat)}$	$V_{CE(sat)}$	$V_{CE(sat)}$	
		$V_{CE(sat)}$	$V_{CE(sat)}$	$V_{CE(sat)}$	
$V_{CE(sat)}$ $V_{CE(sat)}$	$V_{CE(sat)}$	$V_{CE(sat)}$	$V_{CE(sat)}$	$V_{CE(sat)}$	$V$
		$V_{CE(sat)}$	$V_{CE(sat)}$	$V_{CE(sat)}$	
$V_{CE(sat)}$ $V_{CE(sat)}$	$V_{CE(sat)}$	$V_{CE(sat)}$	$V_{CE(sat)}$	$V_{CE(sat)}$	$V$
		$V_{CE(sat)}$	$V_{CE(sat)}$	$V_{CE(sat)}$	

**THERMAL RESISTANCES**

Symbol	Parameter	Min.	Typ.	Max.	Unit
$R_{\theta(jc)}$	$R_{\theta(jc)}$	$R_{\theta(jc)}$	$R_{\theta(jc)}$	$R_{\theta(jc)}$	$^{\circ}C/W$
$R_{\theta(ja)}$	$R_{\theta(ja)}$	$R_{\theta(ja)}$	$R_{\theta(ja)}$	$R_{\theta(ja)}$	

**MARKING**



$R_{\theta(jc)}$	$R_{\theta(jc)}$
$R_{\theta(ja)}$	$R_{\theta(ja)}$
$R_{\theta(jc)}$	$R_{\theta(jc)}$
$R_{\theta(ja)}$	$R_{\theta(ja)}$

HPF T[]@ F G HÁ Á J € Ó ÔÁ

HxF Á

$R_{\theta(jc)}$	$R_{\theta(jc)}$	$R_{\theta(jc)}$	$R_{\theta(jc)}$	$R_{\theta(jc)}$	$R_{\theta(jc)}$	$R_{\theta(jc)}$
$R_{\theta(ja)}$	$R_{\theta(ja)}$	$R_{\theta(ja)}$	$R_{\theta(ja)}$	$R_{\theta(ja)}$	$R_{\theta(ja)}$	$R_{\theta(ja)}$
$R_{\theta(jc)}$	$R_{\theta(jc)}$	$R_{\theta(jc)}$	$R_{\theta(jc)}$	$R_{\theta(jc)}$	$R_{\theta(jc)}$	$R_{\theta(jc)}$
$R_{\theta(ja)}$	$R_{\theta(ja)}$	$R_{\theta(ja)}$	$R_{\theta(ja)}$	$R_{\theta(ja)}$	$R_{\theta(ja)}$	$R_{\theta(ja)}$

HPx Óæ&@Á} { à^!Á





