



JEUR7506SL
EPI ULTRAFAST RECOVERY RECTIFIER

Rev.1.7

DESCRIPTION

- Plastic package has underwriters laboratory flammability classification 94V-0
- Lead free in comply with EU RoHS 2011/65/EU directives
- Low reverse leakage current
- Ultrafast recovery time and soft recovery characteristics
- Low recovery loss



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MECHANICAL DATA



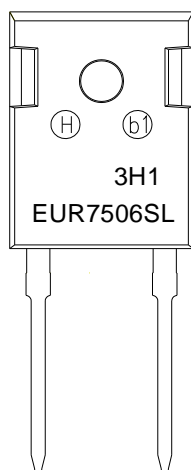


ELECTRICAL CHARACTERISTICS(Rating at 25 ambient temperature unless otherwise specified.)

Parameter		Symbol	Min.	Typ.	Max.	Unit
Forward voltage	$I_F=75A, T_j=25$	V_F	-	1.4	1.7	V
	$I_F=75A, T_j=150$		-	1.18	1.5	
Reverse current	$V_R=600V, T_j=25$	I_R	-	-	5	μA
	$V_R=600V, T_j=150$		-	-	500	
Reverse recovery time	$I_F=1A, V_R=30V,$ $di/dt=100A/\mu s, T_j=25$	t_{rr}	-	42	-	ns
	$I_F=50A, V_R=400V,$ $di/dt=200A/\mu s, T_j=25$		-	75	-	
	$I_F=50A, V_R=400V,$ $di/dt=200A/\mu s, T_j=125$		-	1	-	



MARKING



ORDERING INFORMATION



CHARACTERISTICS CURVE

FIG.1: Typical forward characteristics

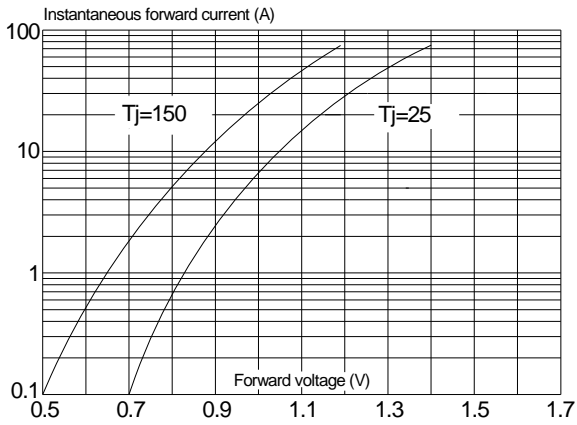


FIG.2: Typical reverse characteristics

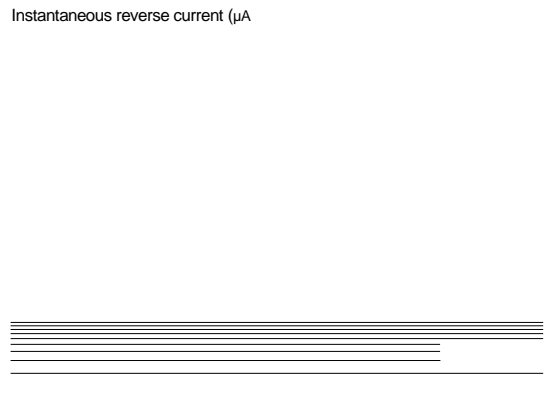




FIG.5: Forward current derating curve

FIG.6: Reverse recovery definitions

