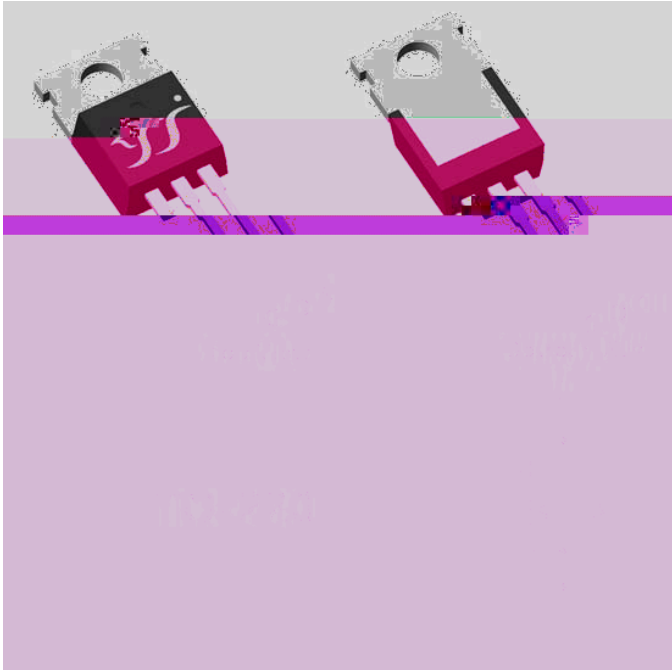




- V_{DS} 120V
 - I_D 90A
 - $R_{DS(ON)}$ (at $V_{GS}=10V$) 9m Ω
 - $R_{DS(ON)}$ (at $V_{GS}=6V$) 12m Ω
 - 100% EAS Tested
 - 100% VDS Tested
-
- Split gate trench MOSFET technology
 - Excellent package for heat dissipation
 - High density cell design for low $R_{DS(ON)}$
 - Epoxy Meets UL 94 V-0 Flammability Rating
 - Halogen Free
-
- Power switching application
 - Uninterruptible power supply
 - DC-DC convertor

■ ($T_A=25$ unless otherwise noted)

Drain-source Voltage		V_{DS}	120	V
Gate-source Voltage		V_{GS}	± 20	V
Drain Current	$T_A=25$	I_D	12	A
	$T_A=100$		7.5	
	$T_C=25$		90	
	$T_C=100$		56	
Pulsed Drain Current ^A		I_{DM}	360	A
Avalanche energy ^B		EAS	462.25	mJ
Total Power Dissipation ^C	$T_A=25$	P_D	3.5	W
	$T_A=100$		1.4	
	$T_C=25$		147	
	$T_C=100$		58	
Junction and Storage Temperature Range		T_J, T_{STG}	-55 +150	

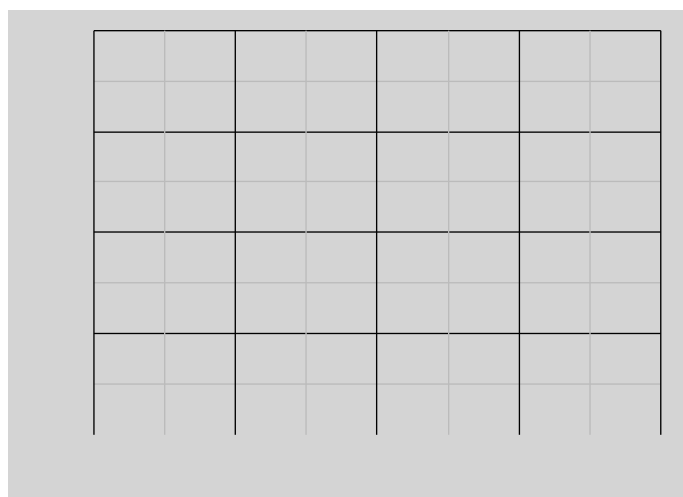
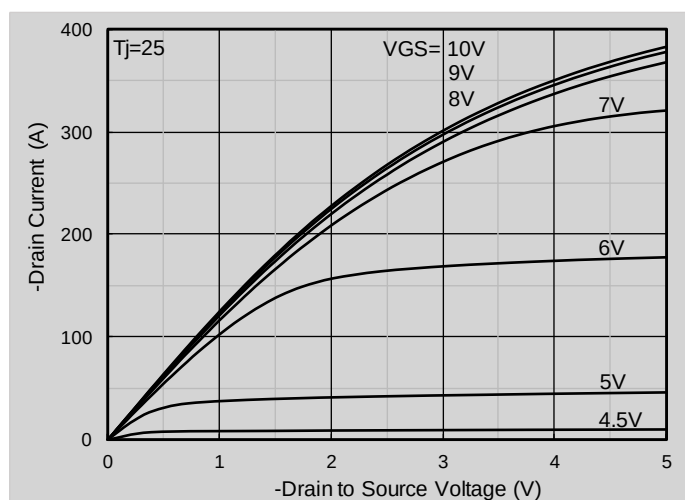
Thermal Resistance Junction-to-Ambient ^D	Steady-State	$R_{\theta JA}$	28	35	/W
Thermal Resistance Junction-to-Case	Steady-State	$R_{\theta JC}$	0.7	0.85	

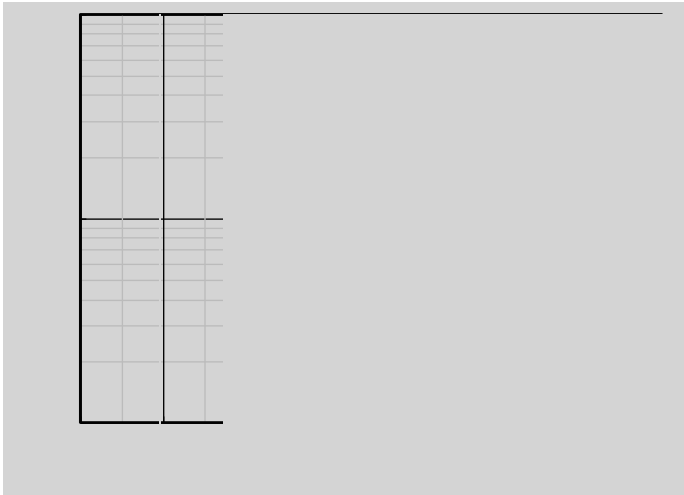
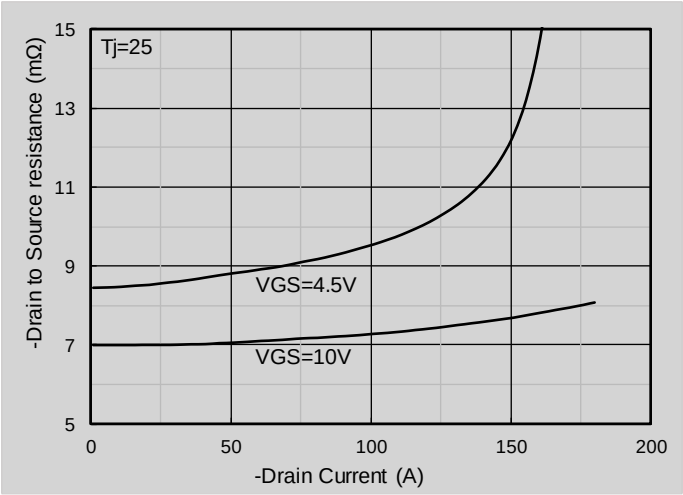
YJP90G12H	B1	YJP90G12H	50	/	5000	Tube

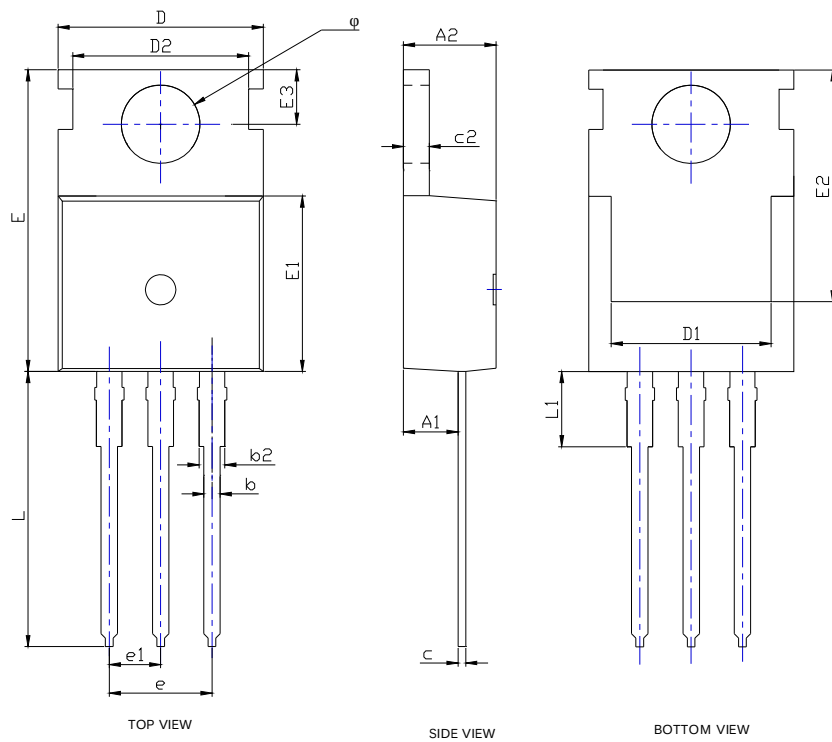


■ (T_J=25 unless otherwise noted)

Drain-Source Breakdown Voltage	BV _{DSS}	V _{GS} = 0V, I _D =250μA	120	-	-	V
Zero Gate Voltage Drain Current	I _{DSS}	V _{DS} =120V, V _{GS} =0V	-	-	1	μA
		V _{DS} =120V, V _{GS} =0V, T _J =150	-	-	100	







SYMBOL	DIMENSIONS			
	INCHES		Millimeter	
	MIN.	MAX.	MIN.	MAX.
A1	0.091	0.098	2.300	2.500
A2	0.173	0.181	4.400	4.600
b	0.028	0.035	0.700	0.900
b2	0.049	0.056	1.250	1.420
c	0.018	0.022	0.450	0.550
c2	0.049	0.053	1.250	1.350
D	0.382	0.402	9.700	10.200
D1	0.299	0.		

NOTE:
1.PACKAGE BODY SIZES EXCLUDE MOLD FLASH AND GATE BURRS.
2.TOLERANCE 0.1mm UNLESS OTHERWISE SPECIFIED.



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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machines).