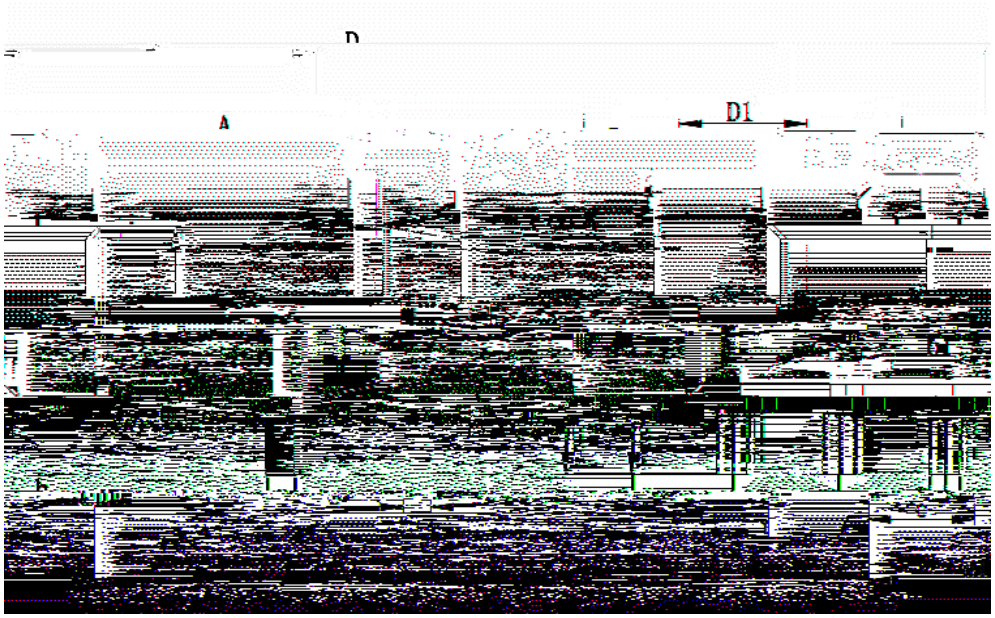
The AP10N03SI uses advanced trench technology

to provide excellent $R_{DS(ON)}$



BVDSS	Drain-Source Breakdown Voltage	V_{GS}=0V , I_D=250uA	30	32	---	V
BVDSS/ TJ	BVDSS Temperature Coefficient	Reference to 25 , I_D=1mA	---	0.029	---	V/
RDS(ON)	Static Drain-Source On-Resistance[2]	V_{GS}=10V , I_D=5.8A	---	17	20	mΩ
RDS(ON)	Static Drain-Source On-Resistance[2]	V_{GS}=4.5V , I_D=5A	---	25	32	
VGS(th)	Gate Threshold Voltage	V_{GS}=V_{DS} , I_D =250uA	1.2	1.6	2.5	V
$V_{GS(th)}$	$V_{GS(th)}$ Temperature Coefficient		---	-2.82	---	mV/
IDSS	Drain-Source Leakage Current	V_{DS}=24V , V_{GS}=0V , T_J=25	---	---	1	uA
		V_{DS}=24V , V_{GS}=0V , T_J=55	---	---	5	
IGSS	Gate-Source Leakage Current	V_{GS}=±12V , V_{DS}=0V	---	---	±100	nA
gfs	Forward Transconductance	V_{DS}=5V , I_D=5A	---	25	---	S
R_g	Gate Resistance	V_{DS}=0V , V_{GS}=0V , f=1MHz	---	1.5	---	Ω
Q_g	Total Gate Charge (4.5V)	V_{DS}=15V , V_{GS}=4.5V , I_D=5.8A	---	11.5	---	nC
Q_{gs}	Gate-Source Charge		---	1.6	---	
Qgd	Gate-Drain Charge		---	2.9	---	
Td(on)	Turn-On Delay Time	V_{DD}=15V , V_{GS}=10V , R_G=3Ω I_D=5A	---	5	---	ns
T_r	Rise Time		---	47.	---	
Td(off)	Turn-Off Delay Time		---	26	---	
T_f						



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	1.400	1.600	0.055	0.063

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