



SOP-8

MOS

Complementary Enhancement MOSFET in a SOP-8 Plastic Package.

N-channel

 $V_{DS}(V)=60V$ $I_D=9.7A$ $R_{DS(ON)}<16m\Omega (V_{GS}=10V)$ $R_{DS(ON)}<22m\Omega (V_{GS}=4.5V)$

HF Product.

P-channel

 $V_{DS}(V)=-60V$ $I_D=3.4A$ $R_{DS(ON)}<100m\Omega (V_{GS}=-10V)$ $R_{DS(ON)}<130m\Omega (V_{GS}=-4.5V)$

DC/DC

These devices are well suited for


/ Absolute Maximum Ratings(Ta=25)

Parameter	Symbol		Rating		Unit
			N-channel	P-channel	
Drain-Source Voltage	V _{DSS}		60	-60	V
Gate-Source Voltage	V _{GSS}		±20		V
Continuous Drain Current	I _D (T _A =25)		9.7	-3.4	A
Pulsed Drain Current	I _{DM}		±40		A
Power Dissipation	P _D (T _A =25)		2.7	1.9	W
Maximum Junction-to-Ambient	R _{θJA}	t ₀ 10s	46.3	65.8	/W
		Steady-State	72	100	/W
Junction and Storage Temperature Range	T _J , T _{STG}		-55 to +150		

N- / N-CHANNEL Electrical Characteristic Curve

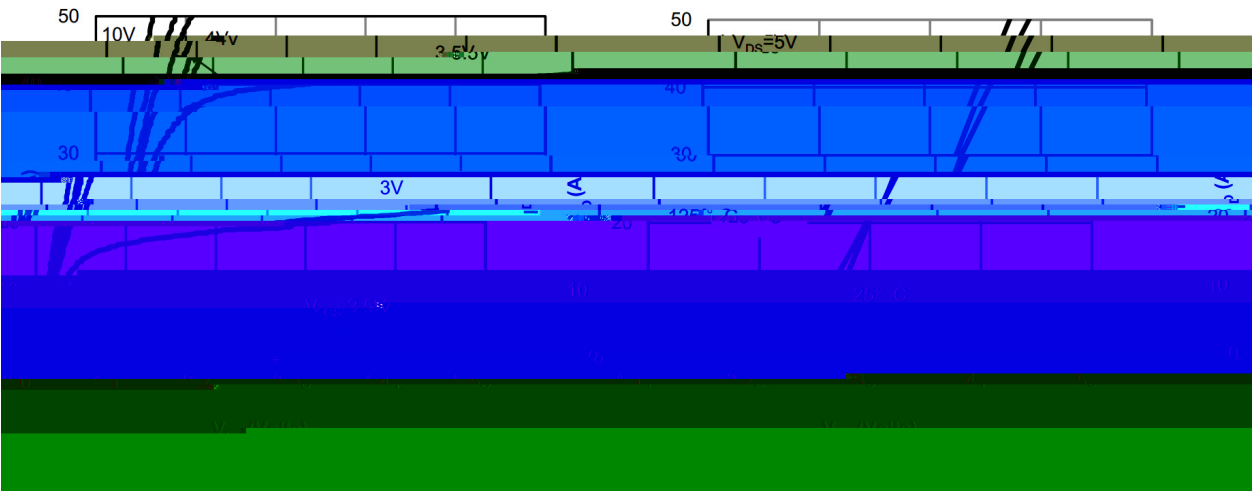
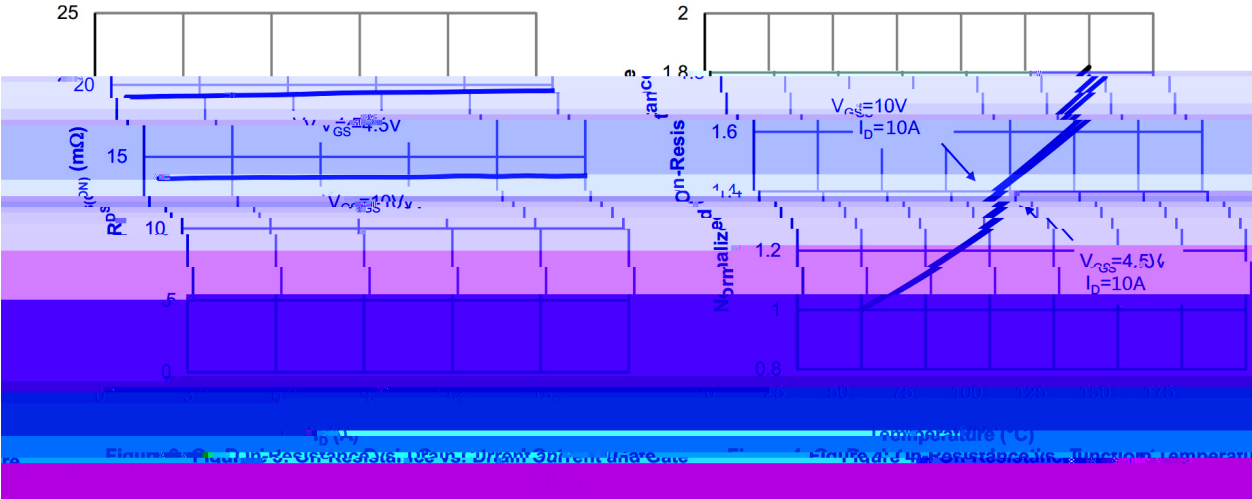
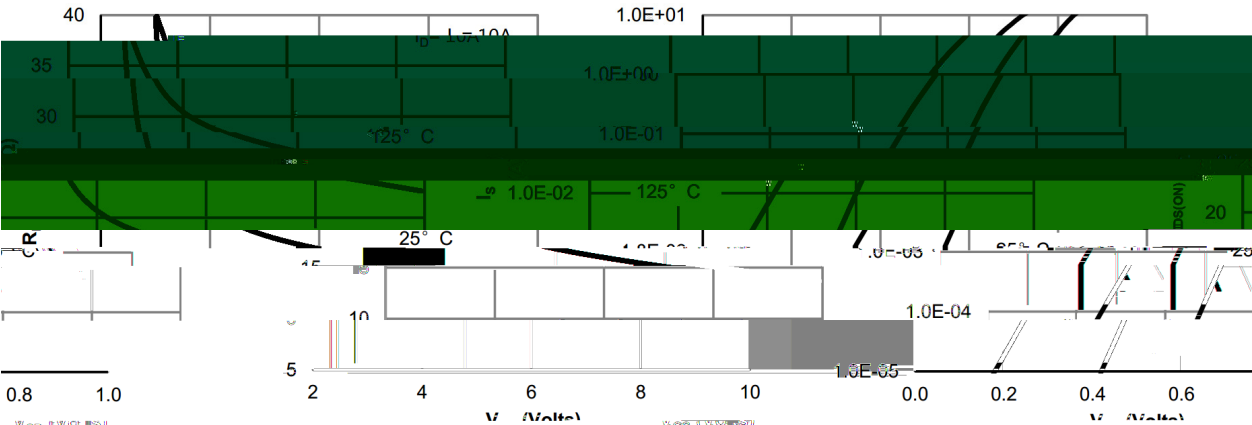
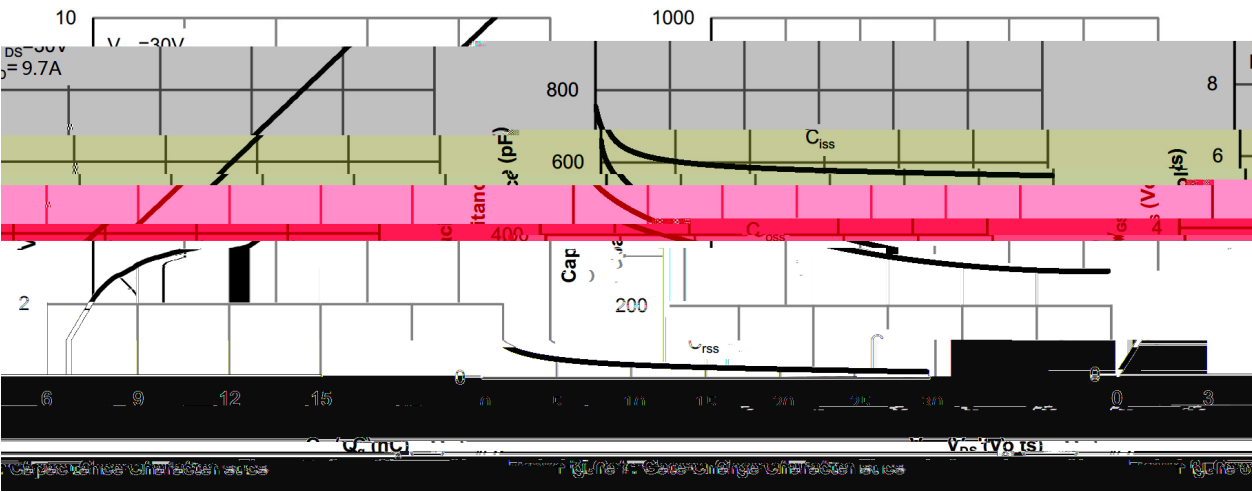
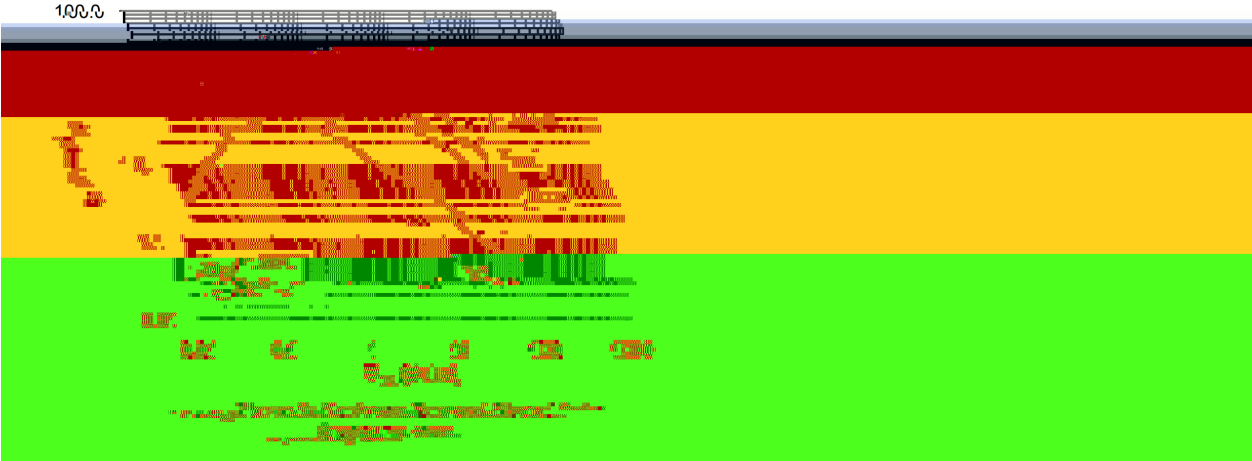
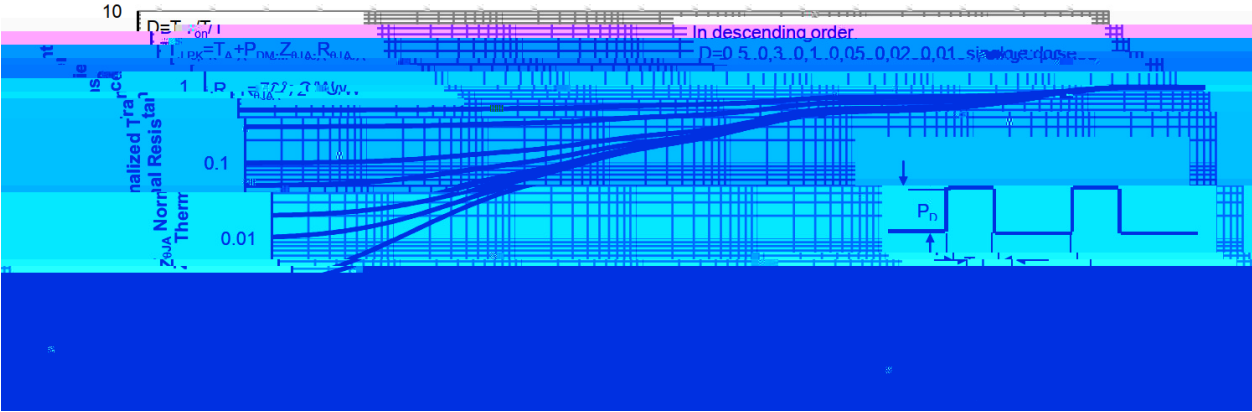


Figure 6: Body Diode Characteristics

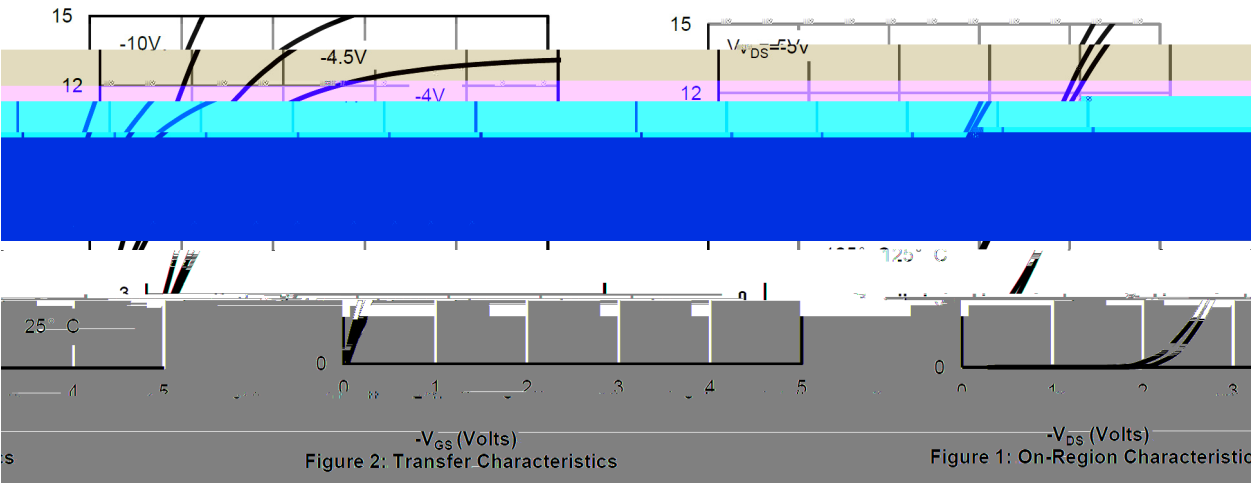
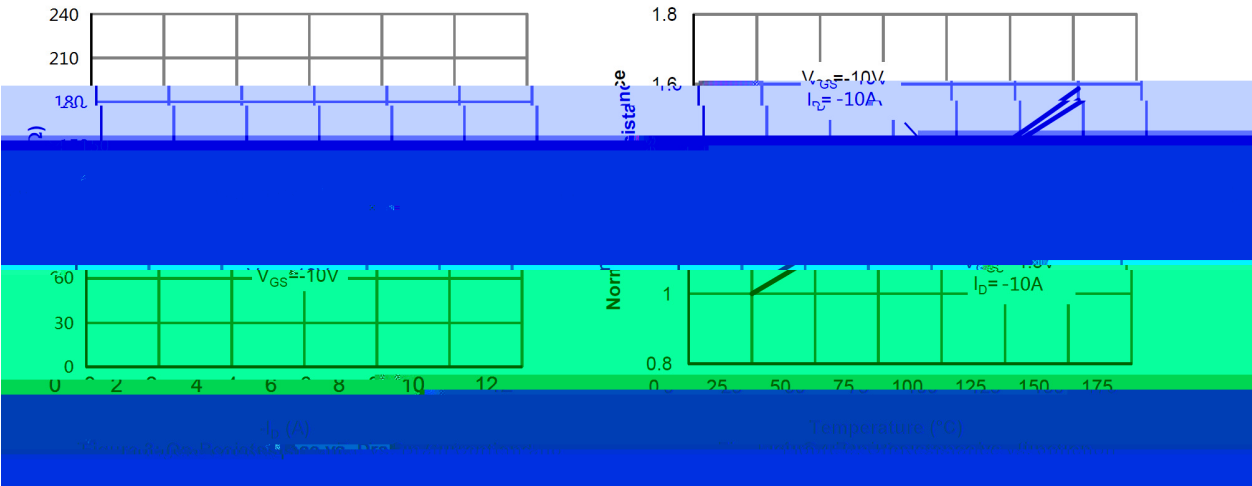
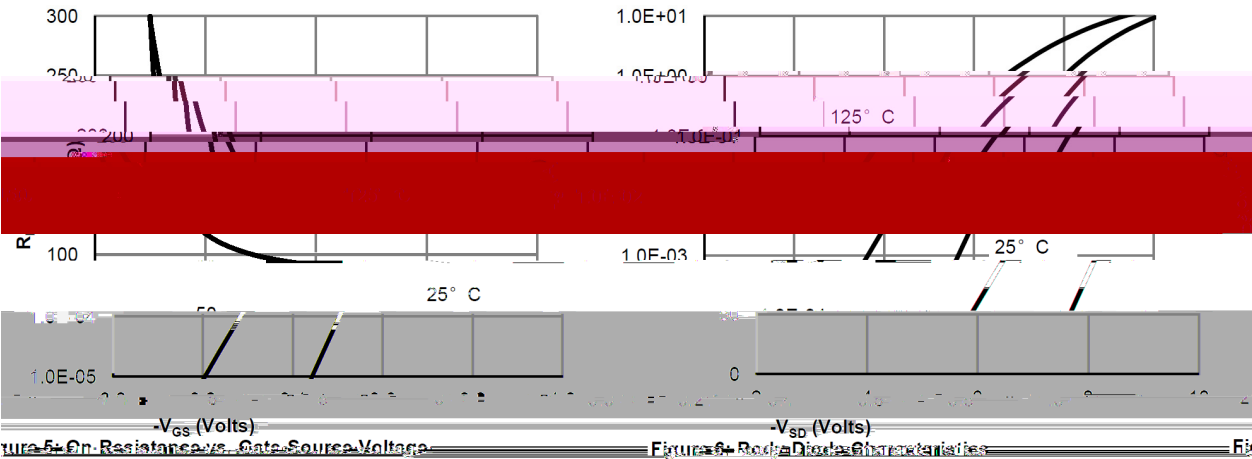
Figure 5: On-Resistance vs. Gate-Source Voltage

Figure 4: Drain Current vs. Drain-Source Voltage

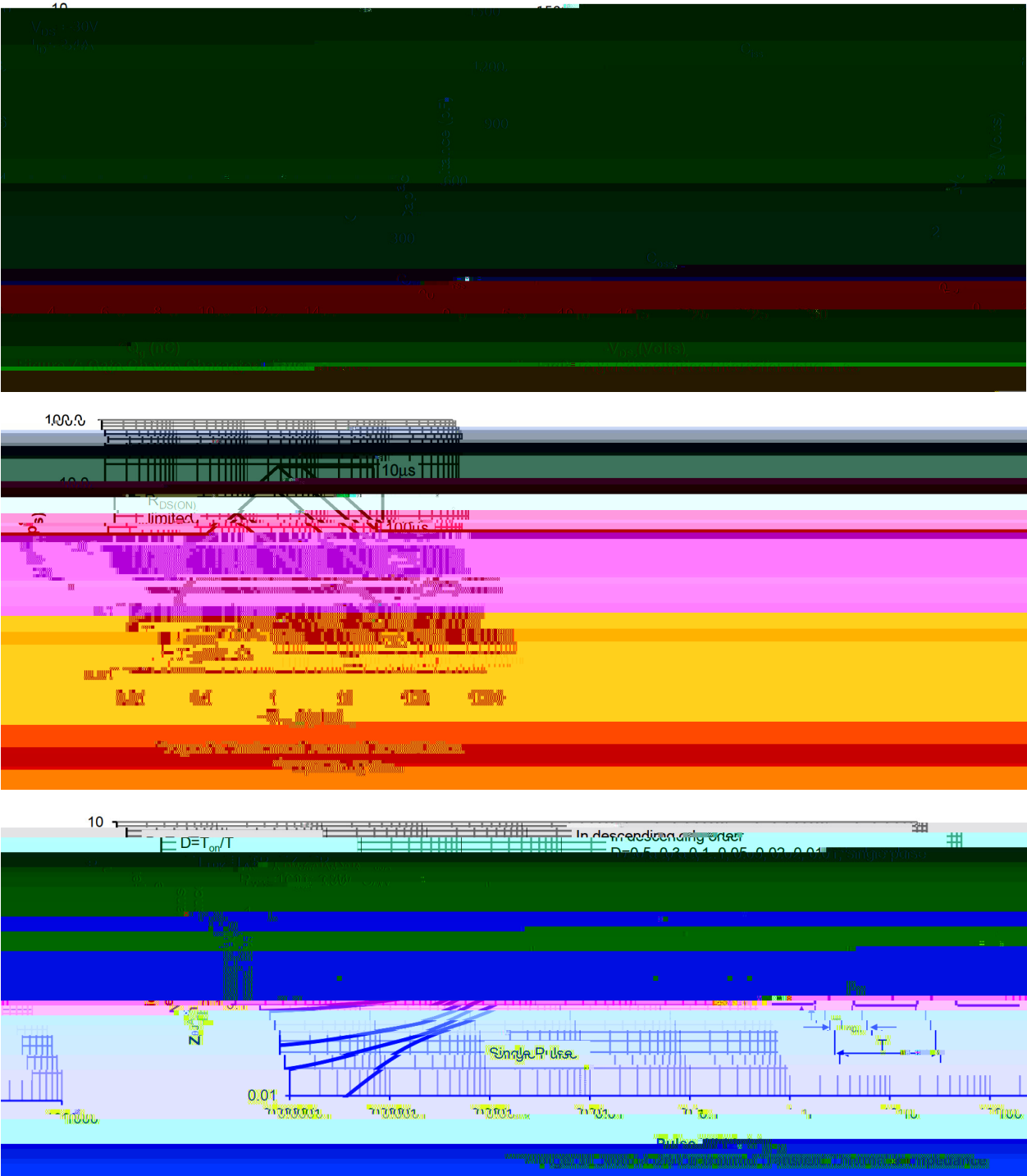
N- / N-CHANNEL Electrical Characteristic Curve



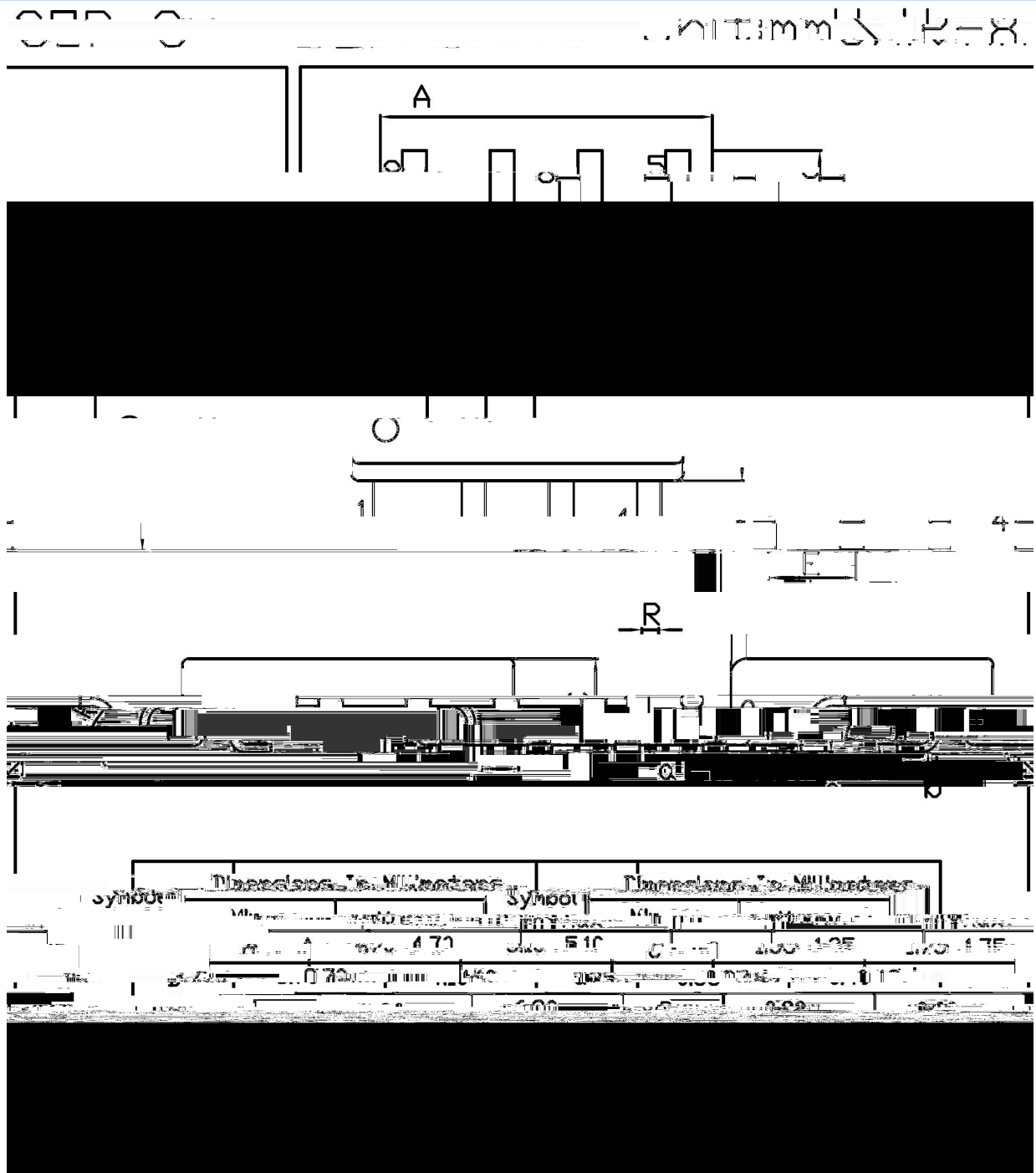
P- / P-CHANNEL Electrical Characteristic Curve



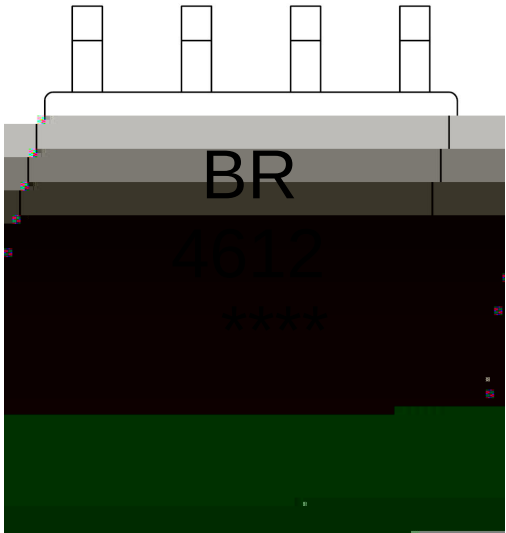
P- / P-CHANNEL Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



BR

4612

Note:

BR: Company Code

4612: Product Type Code

****: Lot No. Code, code change with Lot No

() / Temperature Profile for IR Reflow Soldering(Pb-Free)

1

150 180

60 90sec;

Note:
1.Preheating: 10.5 127.3(1.Pr.Preheatin.)-1260 668.TD0