

/ Descriptions

SiC

/ Features

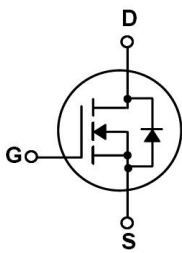
/ Applications

LED

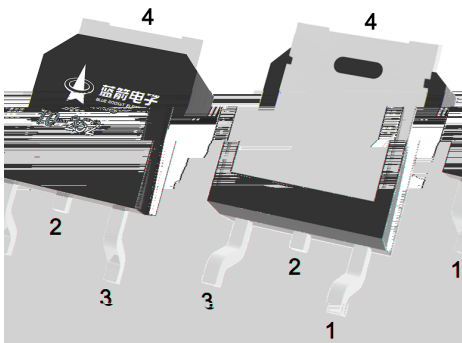
PD

PC

/ Equivalent Circuit



/ Pinning



/ Marking

/ Absolute Maximum Ratings(Tc=25)

/ Electrical Characteristics(Tc=25)

/ Electrical Characteristics(Tc=25)

/ Electrical Characteristic Curve

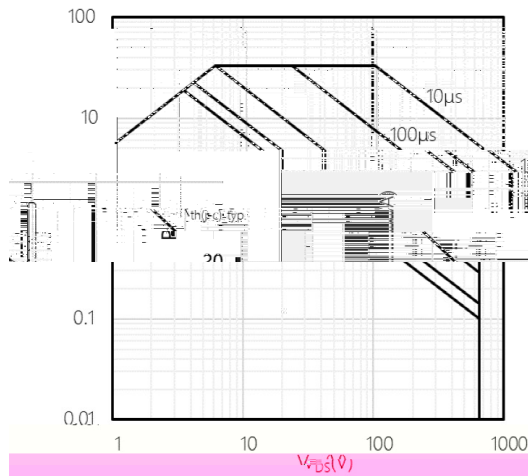


Fig1. Safe operating area (SOA)

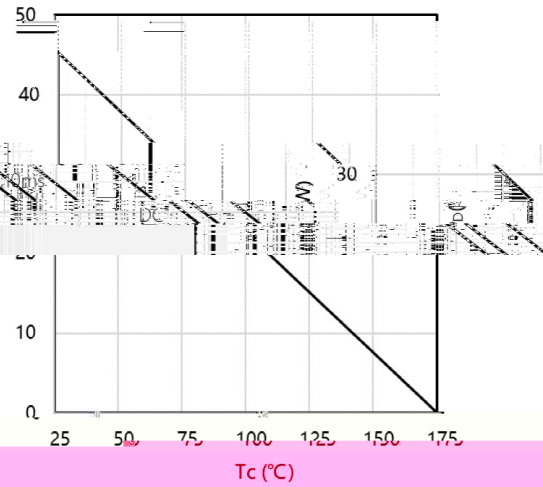


Fig2. Power dissipation

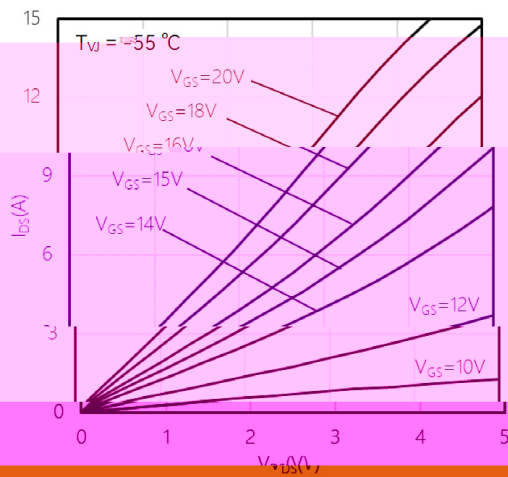


Fig3. Typical output characteristic

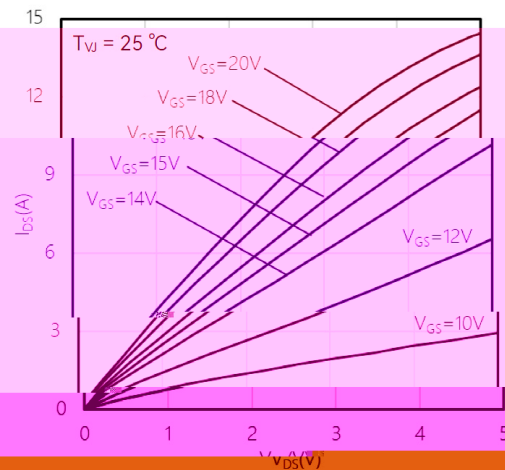


Fig4. Typical output characteristic

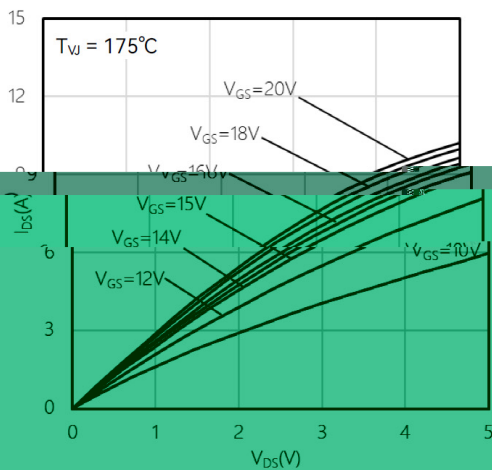


Fig5. Typical output characteristic

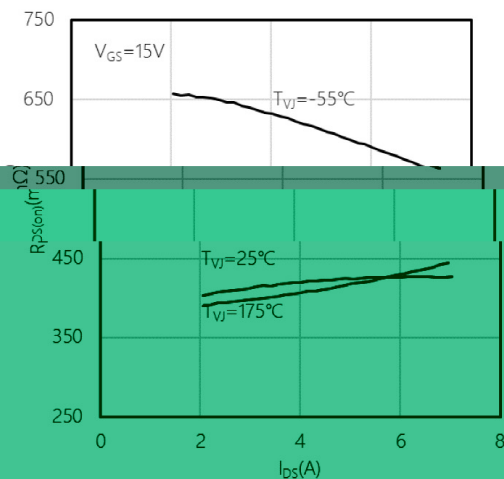
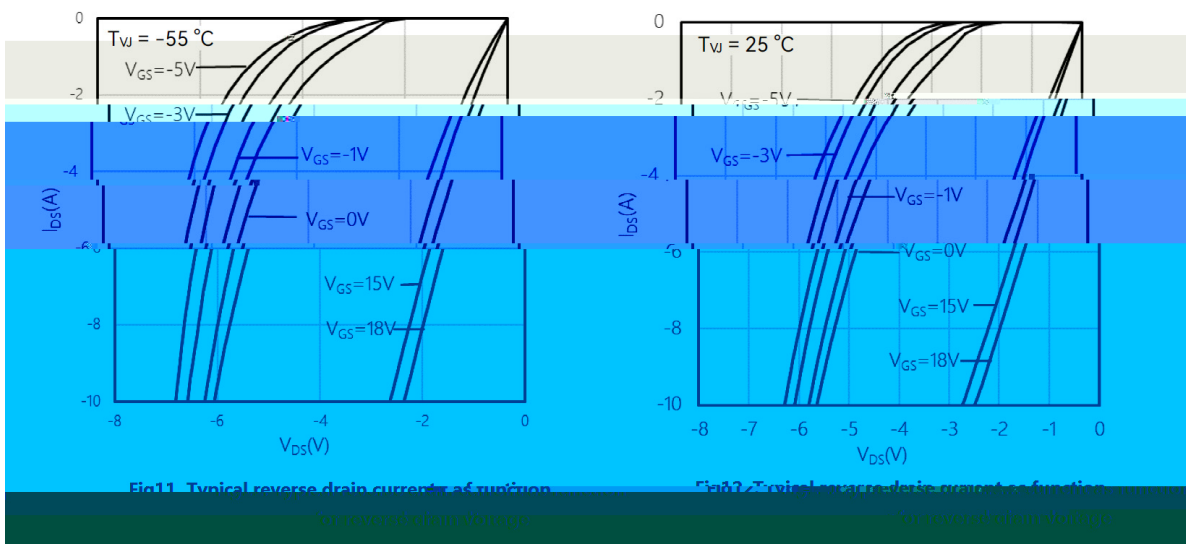
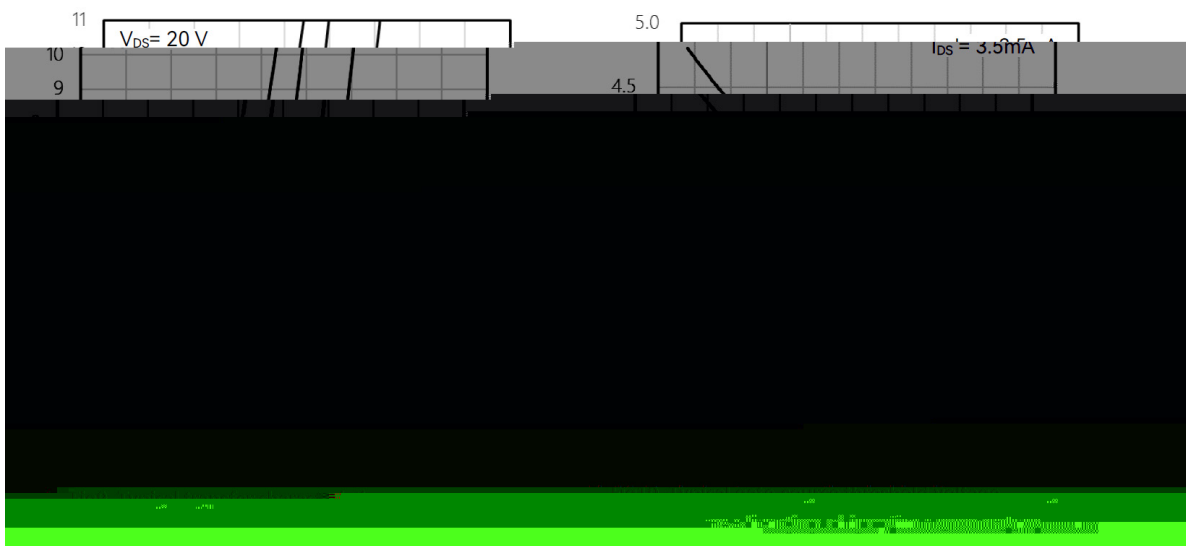
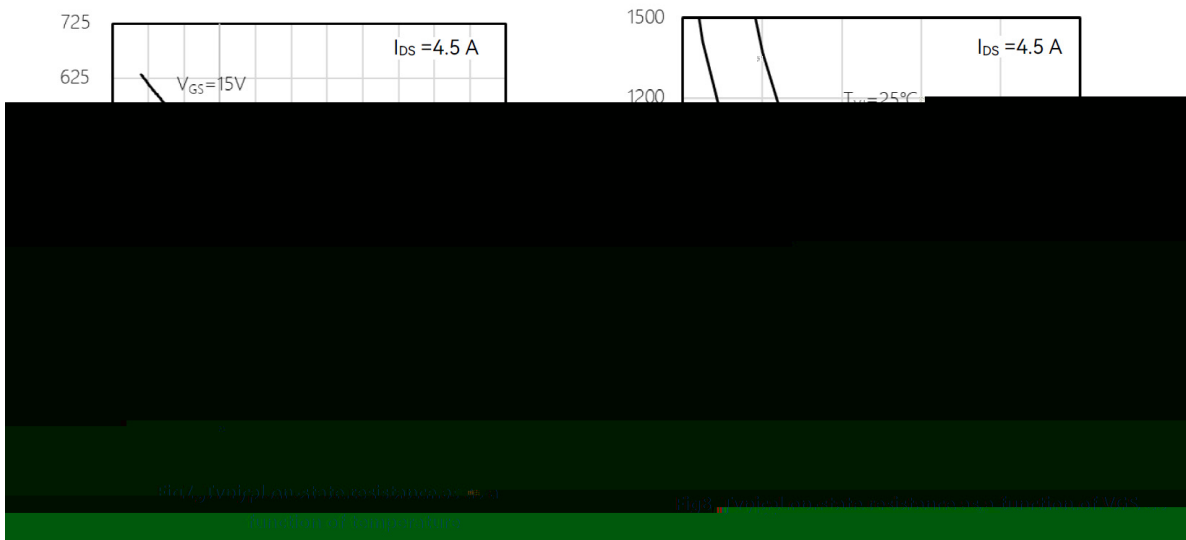


Fig6. Typical on-state resistance as a function of drain current

/ Electrical Characteristic Curve



/ Electrical Characteristic Curve

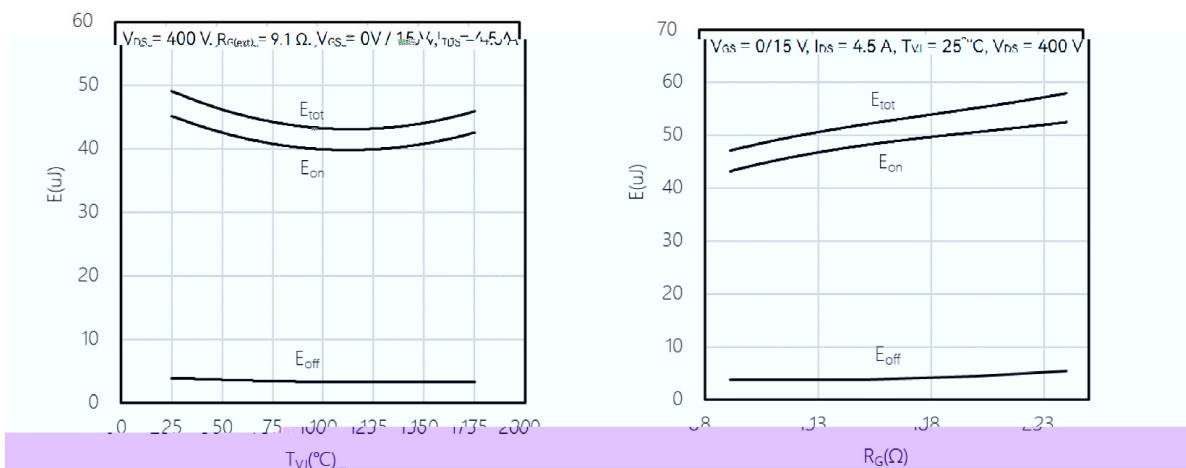
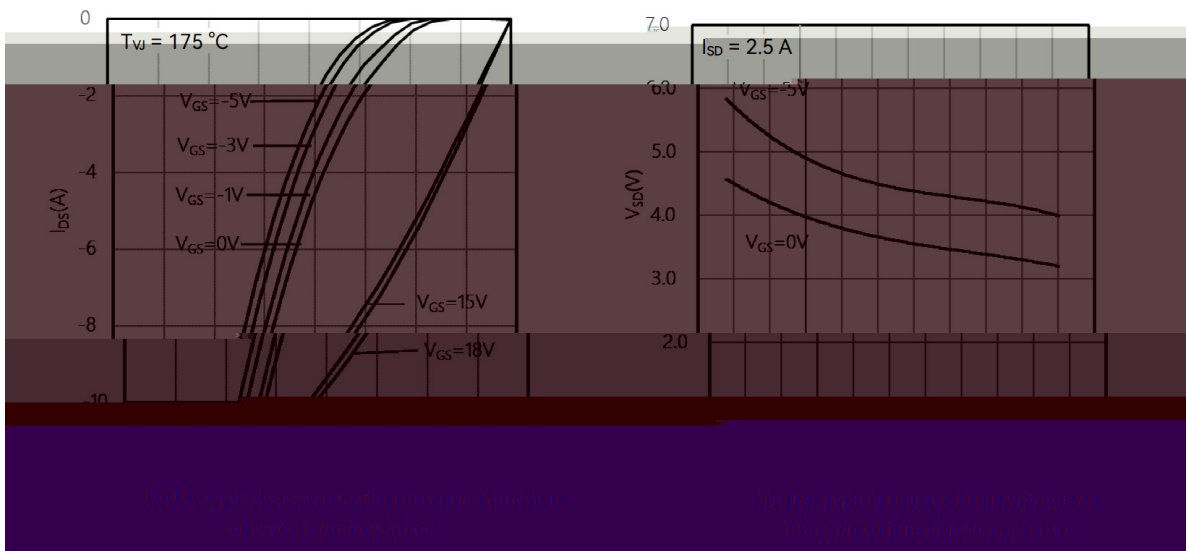
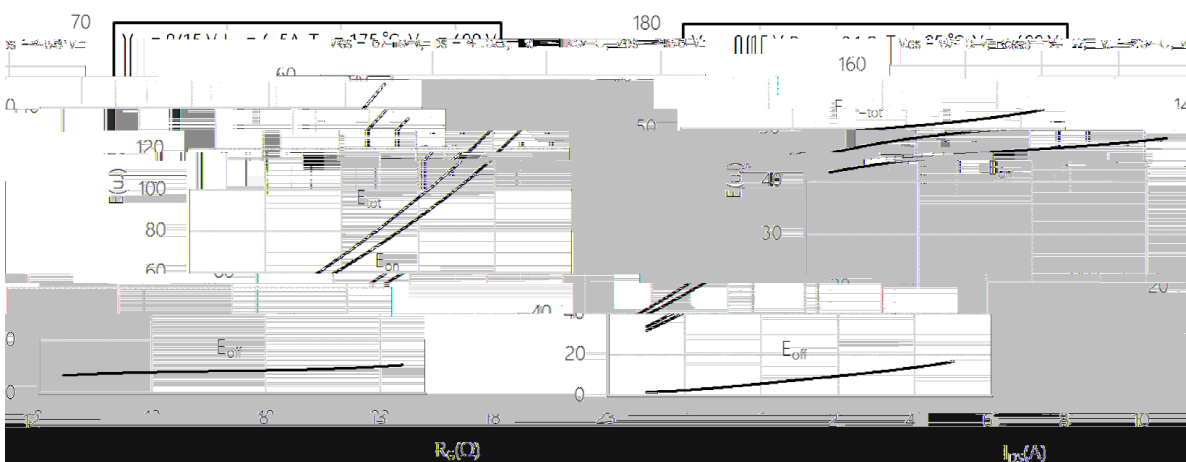


Fig15. Typical switching energy as a function of junction

Fig16. Typical switching energy losses as a function of...

temperature, charge time, body diode, $V_{GS} = 0\text{ V}$, $I_{DS} = 4.5\text{ A}$, $V_{DS} = 400\text{ V}$, $R_{DS(on)} = 9.1\text{ }\Omega$, $V_{GS} = 0\text{ V}$, $I_{DS} = 4.5\text{ A}$, $V_{DS} = 400\text{ V}$, $R_G = 0/15\text{ }\Omega$, $I_{DS} = 4.5\text{ A}$, $T_{vj} = 25^\circ\text{C}$, $V_{DS} = 400\text{ V}$

Fig18. Typical switching energy losses as a function of gate resistance, 2nd device own body diode, $V_{GS} = 0\text{ V}$ Fig19. Typical switching energy losses as a function of I_{DS} , 2nd device own body diode, $V_{GS} = 0\text{ V}$

/ Electrical Characteristic Curve

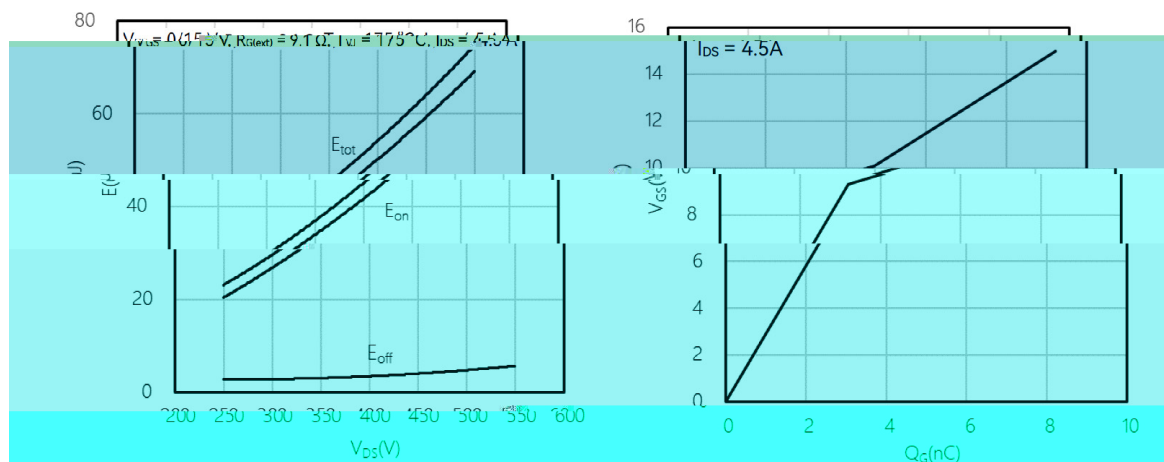
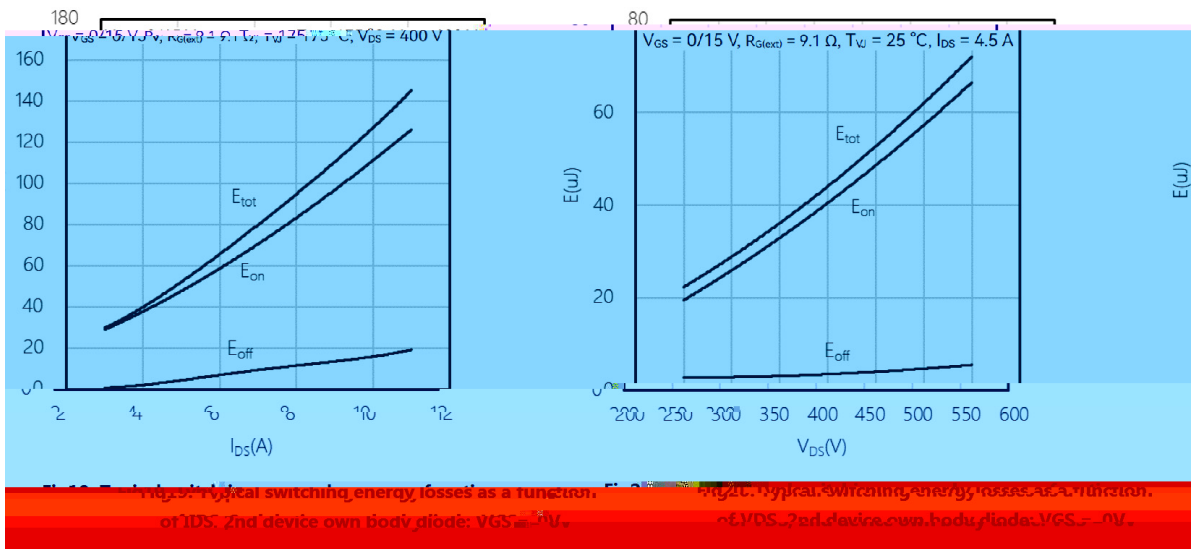
Fig21. Typical switching energy losses as a function of V_{DS} . 2nd device own body diode. $V_{GS} = 0V$

Fig22. Typical gate charge

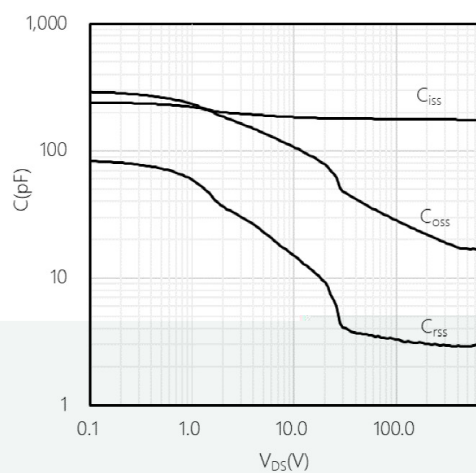
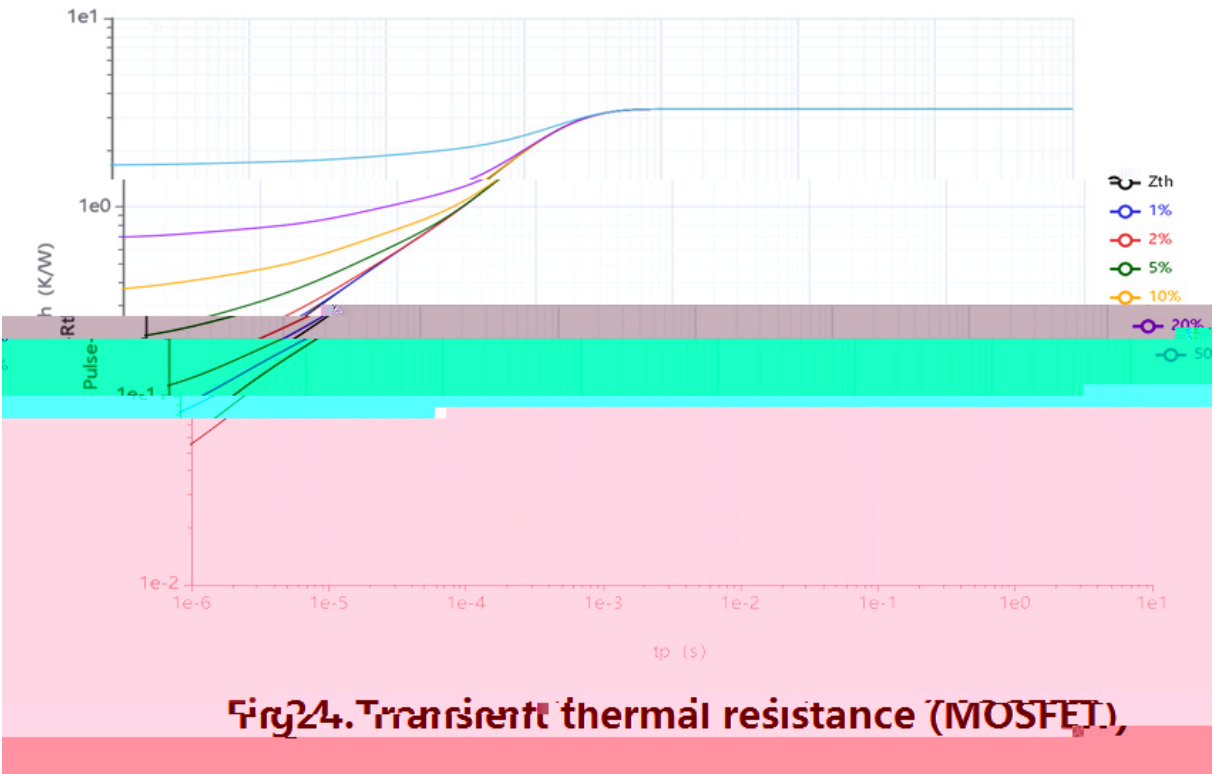


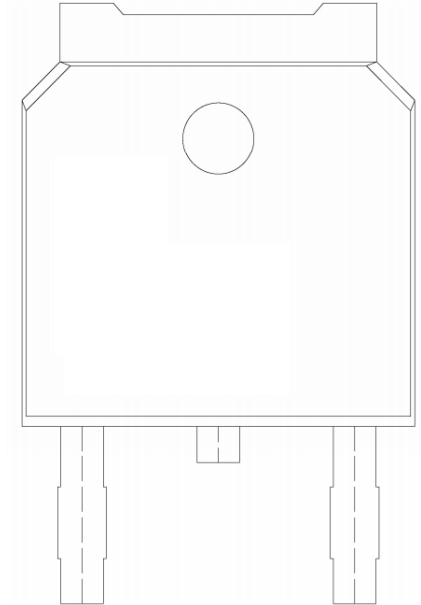
Fig23. Typical capacitance as a function of drain-source voltage

/ Electrical Characteristic Curve



BRSC65R480ZDP

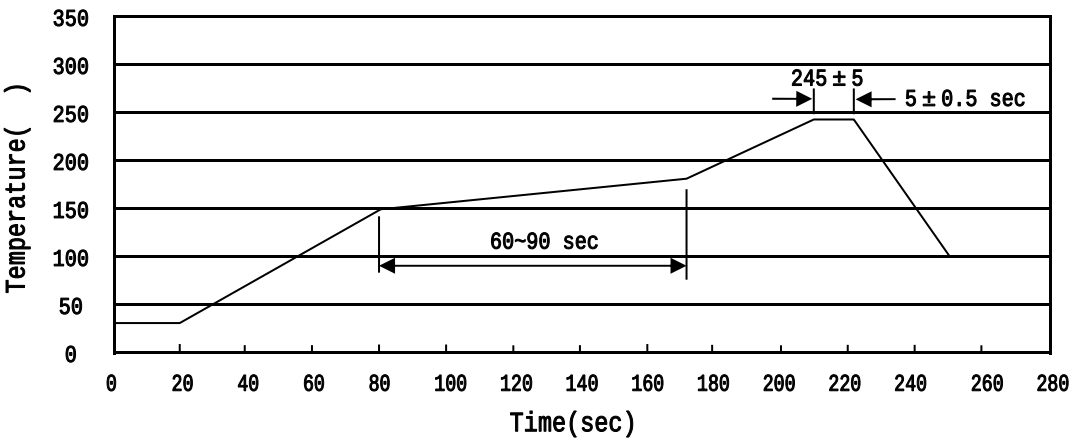
/ Marking Instructions



65R480Z

SC

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



± ± ± ±

/ Resistance to Soldering Heat Test Conditions

± ± °C

/ Packaging SPEC.

	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box

	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box

/ Notices