



查询"CEF02N6A"供应商

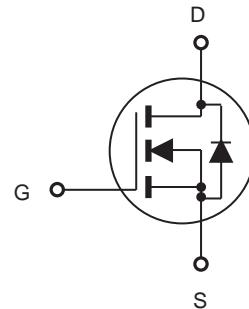
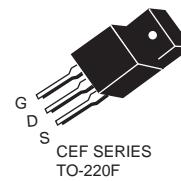
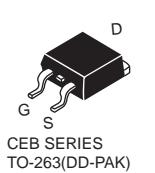
CEP02N6A/CEB02N6A CEI02N6A/CEF02N6A

N-Channel Enhancement Mode Field Effect Transistor

FEATURES

Type	V_{DSS}	$R_{DS(ON)}$	I_D	@ V_{GS}
CEP02N6A	650V	7.5Ω	1.5A	10V
CEB02N6A	650V	7.5Ω	1.5A	10V
CEI02N6A	650V	7.5Ω	1.5A	10V
CEF02N6A	650V	7.5Ω	1.5A ^e	10V

- Super high dense cell design for extremely low $R_{DS(ON)}$.
- High power and current handing capability.
- Lead free product is acquired.
- TO-220 & TO-263 & TO-262 package & TO-220F full-pak for through hole.



ABSOLUTE MAXIMUM RATINGS $T_C = 25^\circ\text{C}$ unless otherwise noted

Parameter	Symbol	Limit		Units
		TO-220/263/262	TO-220F	
Drain-Source Voltage	V_{DS}	650		V
Gate-Source Voltage	V_{GS}	±30		V
Drain Current-Continuous	I_D	1.5	1.5 ^e	A
Drain Current-Pulsed ^a	I_{DM}^f	4.5	4.5 ^e	A
Maximum Power Dissipation @ $T_C = 25^\circ\text{C}$ - Derate above 25°C	P_D	42 0.33	28 0.22	W W/°C
Single Pulsed Avalanche Energy ^d	E_{AS}	90	90	mJ
Single Pulsed Avalanche Current ^d	I_{AS}	1.4	1.4	A
Operating and Store Temperature Range	T_J, T_{stg}	-55 to 150		°C

Thermal Characteristics

Parameter	Symbol	Limit		Units
Thermal Resistance, Junction-to-Case	R_{JC}	3	4.5	°C/W
Thermal Resistance, Junction-to-Ambient	R_{JA}	62.5	65	°C/W

查询"CEF02N6A"供应商



查询"CEP02N6A"供应商

CEP02N6A/CEB02N6A CEI02N6A/CEF02N6A

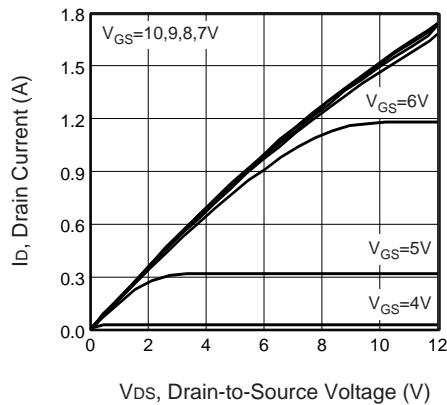


Figure 1. Output Characteristics

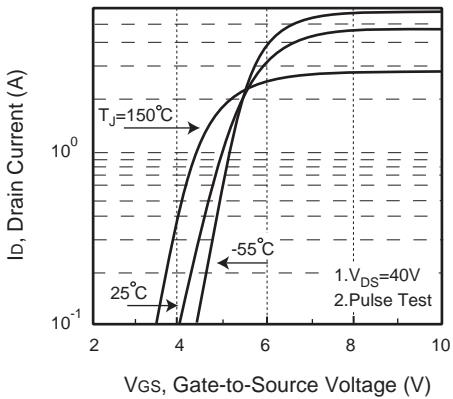


Figure 2. Transfer Characteristics

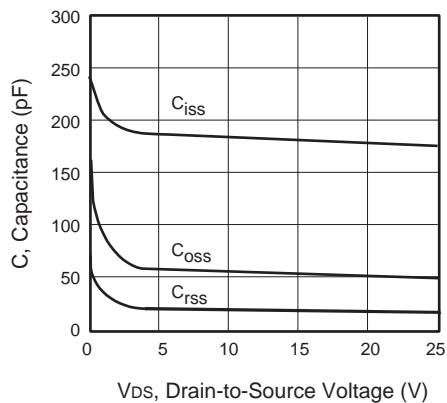


Figure 3. Capacitance

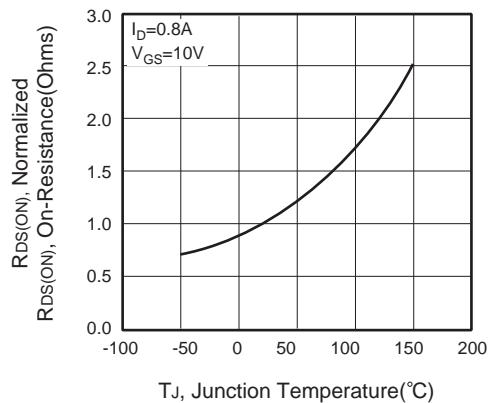


Figure 4. On-Resistance Variation with Temperature

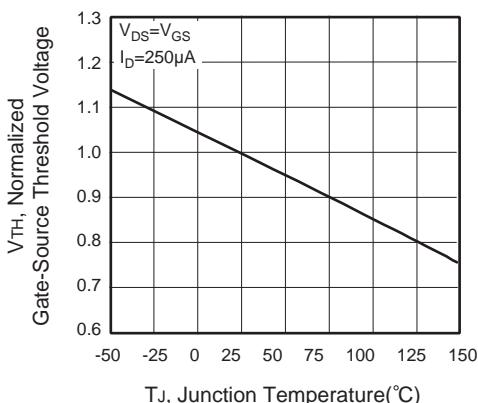


Figure 5. Gate Threshold Variation with Temperature

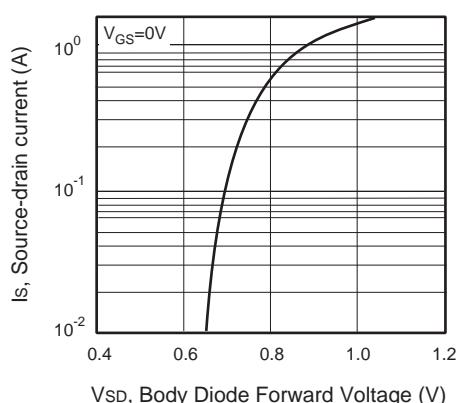


Figure 6. Body Diode Forward Voltage Variation with Source Current



查询"CEF02N6A"供应商

CEP02N6A/CEB02N6A CEI02N6A/CEF02N6A

4

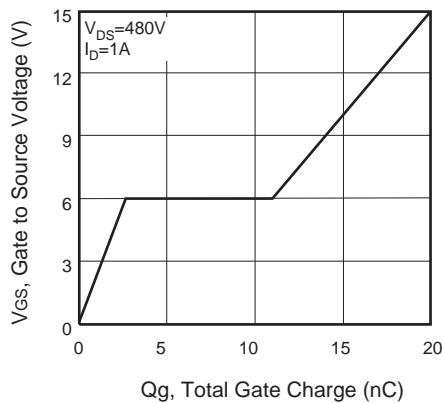


Figure 7. Gate Charge

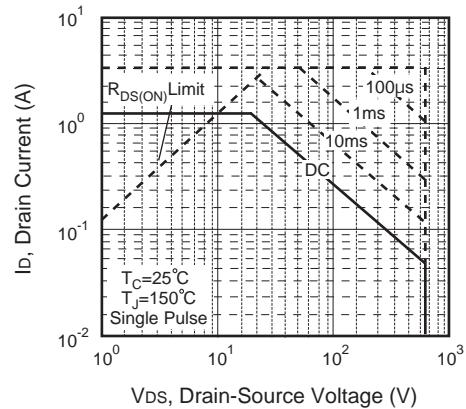


Figure 8. Maximum Safe Operating Area

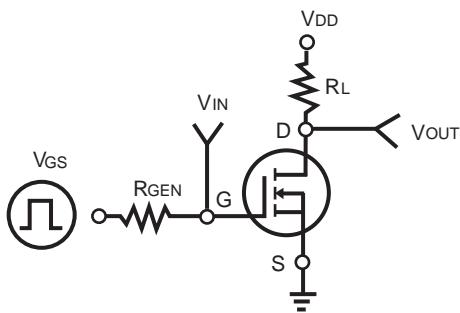


Figure 9. Switching Test Circuit

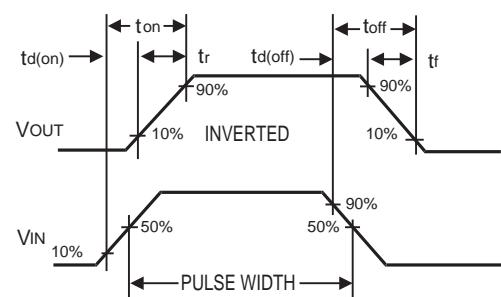


Figure 10. Switching Waveforms

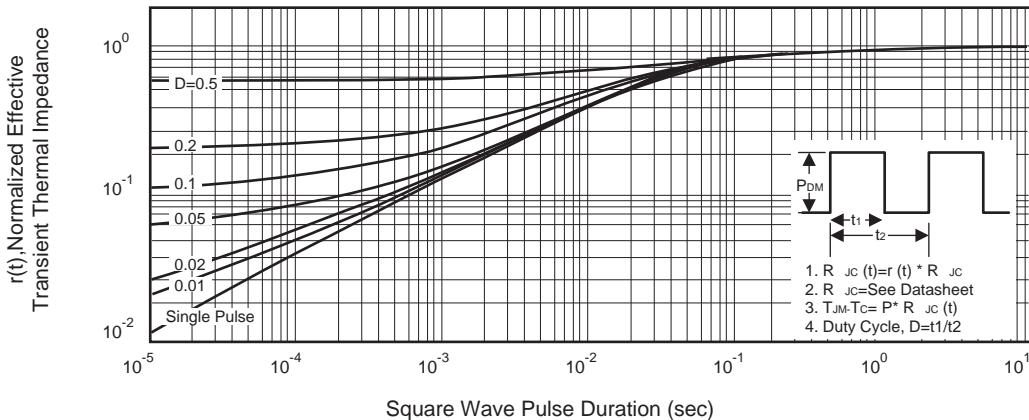


Figure 11. Normalized Thermal Transient Impedance Curve