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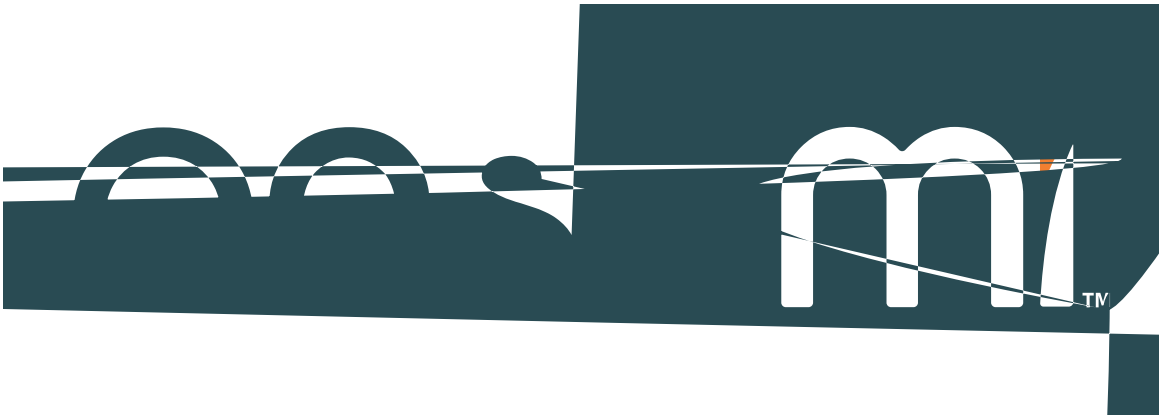

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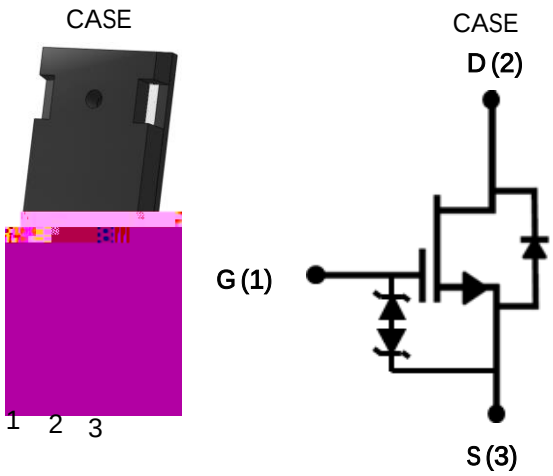
UJ3C065080K3S

Rev. E, Janauary 2025



Part Number	Package	Marking
UJ3C065080K3S	TO-247-3L	UJ3C065080K3S

Maximum Ratings

Symbol	Value	Units
V_{DS}	650	V
V_{GS}	-25 to +25	V
	31	A
	23	A
I_{DM}	65	A
E_{AS}	33	mJ
P_{tot}	190	W
$T_{J,max}$	175	°C
T_J, T_{STG}	-55 to 175	°C
T_L		

Related Devices

Spice Models

Typical Performance - Dynamic

	Min	Typ	Max
C_{iss}			

Typical Performance Diagrams

Figure 1. Typical output characteristics at T_J = - 55°C, tp < 250ms

Figure 2. Typical output characteristics at T_J = 25°C, tp < 250ms

Figure 3. Typical output characteristics at T_J = 175°C, tp < 250ms

Figure 4. Normalized on-resistance vs. temperature at V_{GS} = 12V and I_D = 20A


Related
Devices

Figure 13. Typical capacitances at f = 100kHz and V_{GS} = 0V

Figure 14. DC drain current derating

TO-247-3L PACKAGE OUTLINE, PART MARKING