

60V 22mΩ N-Ch Power MOSFET

Features

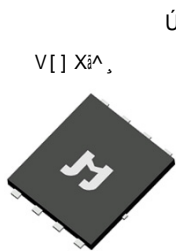
- ~ Š [, ÁÜÖÜÇUÞD
- ~ Š [, ÁÖæc^ÁÖ@æ! *^
- ~ F€€ÁÁWÖÜÁV^•c^áÉF€€ÁÁÜ. V^•c^á
- ~ ÚáÈ-!^ÁŠ^æáÁÜ|æcá) *
- ~ Pæ|[*^}È-!^Áæ}áÁÜ [PÜÈ& [{]|æ}c

Product Summary

Parameter	Value	Unit
ÁXÖÜ	Î€	X
ÁXÖÜ;80	FÈÍ	X
ÁÜÖÜ;UÞD;ÇÖÁXÖÜ;MÁFEXDÁ(FD)	GÍ	Ç
ÁÜÖÜ;UÞD;ÇÖÁXÖÜ;MÁFEXD	GG	{ Ω
ÁÜÖÜ;UÞD;ÇÖÁXÖÜ;MÁFÉIXD	Gí	{ Ω

Applications

- ~ Ú [, ÁÁTæ}æ*^! { ^}cá}ÁV^!^& [{ ÈÈQ} á~•c!æ|ÁCE~c [{ æcá []ÉÁÖÖ
- ~ T [c [!:Ö!áçá) *Áá}ÁÜ [, ÁÁV [[!ÉÁÖÈÇ^@á&|ÁÉÁÜ [á [c&•
- ~ Ö~!;!^}cÁÜ, áç&@á) *Áá}ÁÖÖB:ÖÖÁBÁCEÖB:ÖÖÁçÜÜDÁÜ~áÈ•^•c^ { •

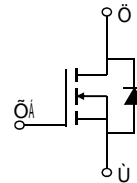


ÜÖÞD;ÇÖÁÜ

V [] Xá^,

Ö [c [{ Xá^,

Úá}ÁÖ []-á~!æcá [}
V [] Xá^,

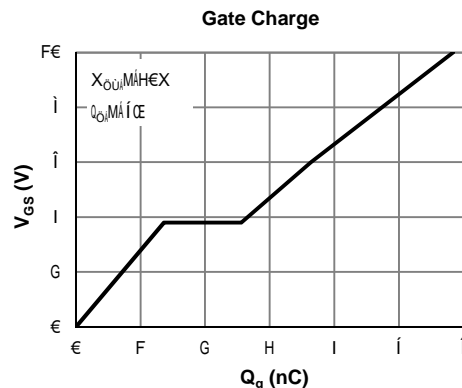
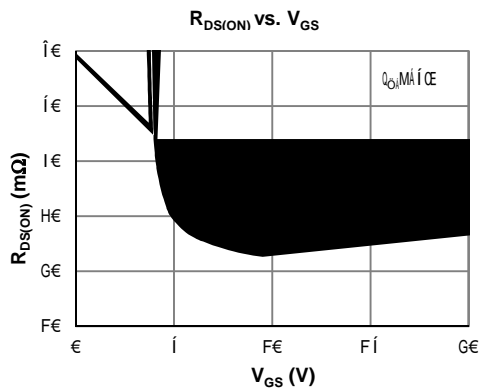


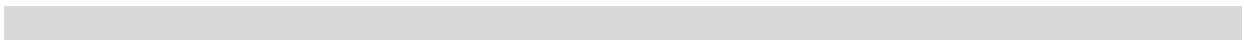
Ordering Information

Device	Package	# of Pins	Marking	MSL	T _J (°C)	Media	Quantity (pcs)
RTÜŠ€ÎH€ÇÖÈFH	ÜÖÞD;ÇÖÁÜ	ì	ÚŠ€ÎH€Ç	F	ÈÍÁç [ÁFÍ€	FHÈá) & @ÁÜ^ \	í€€€

Absolute Maximum Ratings

Parameter	Symbol	Value	Unit
Ö!æá}Èç [ÈÜ [~!&^ÁX []cæ*^	XÖÜ	Î€	X
Öæc^Èç [ÈÜ [~!&^ÁX []cæ*^	XÖÜ	†G€	X
Ö []cá) ~ [~•ÁÖ!æá} VÖ;MÁGÍ»Ö	Q ₀	GÍ	Ç
Ö~!;!^}cÁ(FD) VÖ;MÁF€€»Ö		FÈÍ	
Ú~!^áÁÖ!æá}ÁÖ~!;!^}cÁ(GD)	Q _{OT}	ÎF	Ç
Ççæ}æ} & ^ÁÖ}^! * ^Á(HD)	ÖÈÜ	FHÈÍ	{ R
Ú [, ÁÁÖ:•á}æcá []Á(FD)	Ú ₀	HÍ	Y
		FÍÈG	
R~} & c []ÁBÁÜc [!æ*^ÁV^ {]^!æc~!^ÁÜæ) *^	V _R ÈÁV _{ÜVÖ}	ÈÍÁç [ÁFÍ€	»Ö





Typical Electrical & Thermal Characteristics



Typical Electrical & Thermal Characteristics

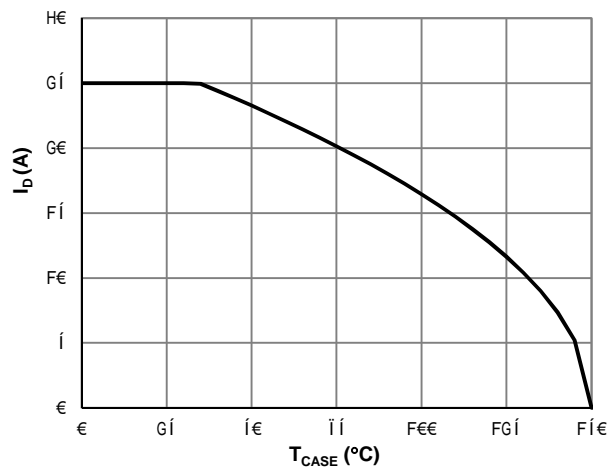


Figure 9: Current De-rating

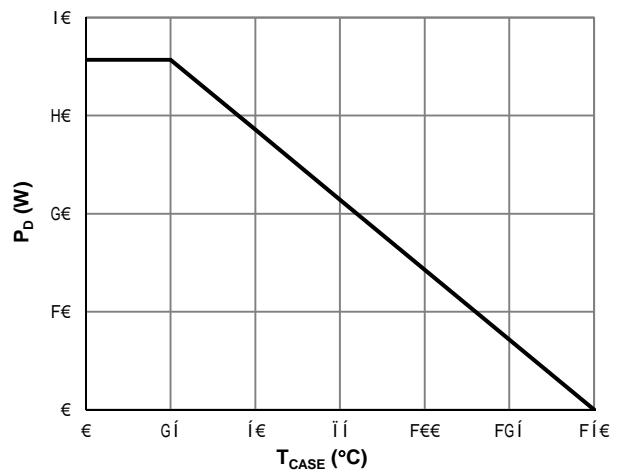


Figure 10: Power De-rating

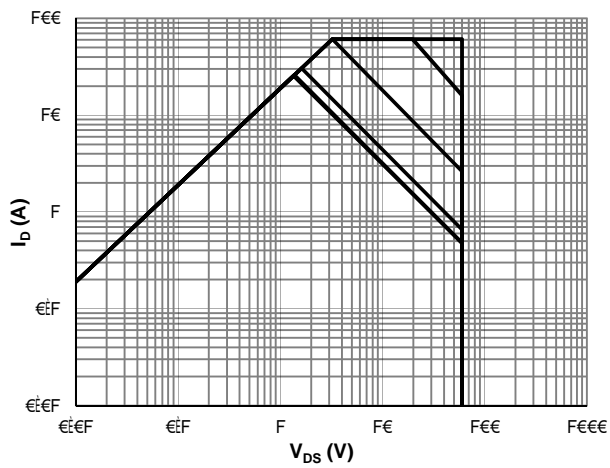
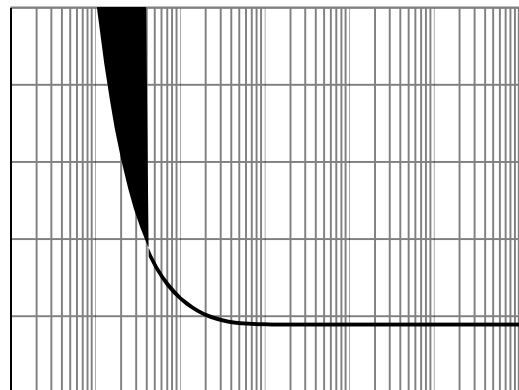
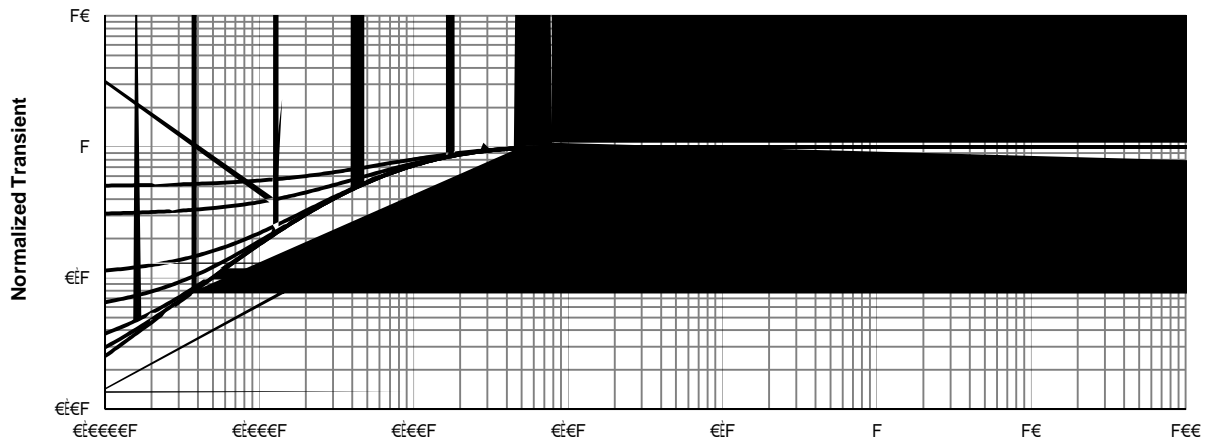


Figure 11: Maximum Safe Operating Area



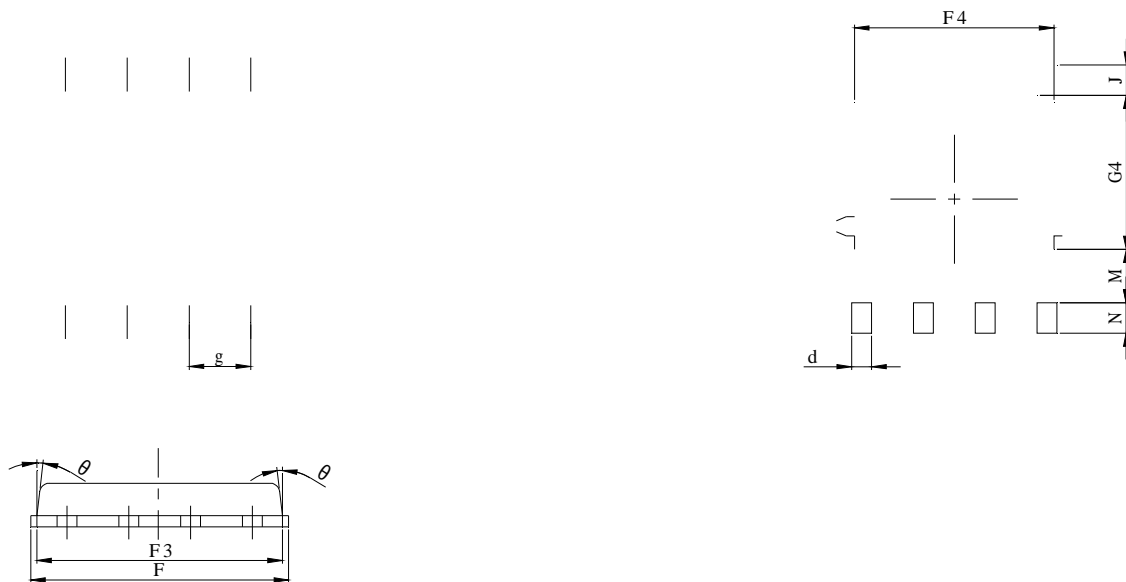


Typical Electrical & Thermal Characteristics





PDFN5x6-8L Package Information



FKO0	OKP0	OKNNKOGVGT	OCZ0
C	20; 2	3022	3032
d	2053	2063	2073
e	2042	2047	2052
F	7022	7042	7062
F3	60; 7	7027	7037
F4	6022	6032	6042
G	8027	8037	8047
G3	7072	7082	7092
G4	5064	5075	5085
g		3049DUE	
J	2082	2092	20: 2
N	2072	2092	20: 2
M		3045"TGh	
theta	/	/	32°

Tgeq o o gp fgf"Uqnfgtkpi"Hqqvrtkpv