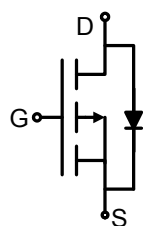
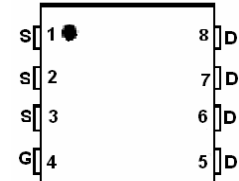


P-Channel Enhancement Mode Power MOSFET

<p>DESCRIPTION</p> <p>The HT PTG ÚEHÛ uses advanced trench technology to provide excellent $R_{DS(ON)}$, low gate charge and operation with gate voltages as low as 4.5V.</p> <p>GENERAL FEATURES</p> <ul style="list-style-type: none"> ● $V_{DS} = -30V, I_D = -25A$ $R_{DS(ON)} < 35m\Omega @ V_{GS} = -4.5V$ $R_{DS(ON)} < 20m\Omega @ V_{GS} = -10V$ ● High Power and current handing capability ● Lead free product is acquired ● Surface Mount Package <p>Application</p> <ul style="list-style-type: none"> ● Battery Switch ● Load switch ● Power management 	<div style="text-align: center;">  <p>Schematic diagram</p> </div> <div style="text-align: center; margin-top: 20px;">  <p>Marking and pin assignment</p> </div>
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Package Marking And Ordering Information

Device Marking	Device	Device Package	Reel Size	Tape width	Quantity
PTG ÚEHÛ	PTG ÚEHÛ	ÁÁÖÞHËŠ	Ø330mm	12mm	500 units

Absolute Maximum Ratings (TA=25°C unless otherwise noted)

Parameter	Symbol	Limit	Unit
Drain-Source Voltage	V_{DS}	-30	V
Gate-Source Voltage	V_{GS}	±20	V
Drain Current-Continuous	I_D	-25	A
Drain Current-Pulsed (Note 1)	I_{DM}	-75	A
Maximum Power Dissipation	P_D	50	W
Operating Junction and Storage Temperature Range	T_J, T_{STG}	-55 To 150	°C

Thermal Characteristic

Thermal Resistance, Junction-to-Ambient (Note 2)	$R_{\theta JA}$	40	°C/W
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Electrical Characteristics (TA=25°C unless otherwise noted)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Off Characteristics						
Drain-Source Breakdown Voltage	BV_{DSS}	$V_{GS} = 0V, I_D = -250\mu A$	-30	-33	-	V

