

UNISONIC TECHNOLOGIES CO., LTD

BSS84ZDW Preliminary Power MOSFET

0.13A, 50V P-CHANNEL ENHANCEMENT MODE FIELD EFFECT TRANSISTOR

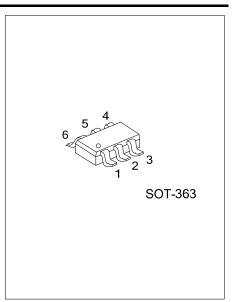
■ DESCRIPTION

These P-Channel enhancement mode field vertical D-MOS transistors are in a SOT-363 SMD package, and in most applications they require up to 0.13A DC and can deliver current up to 0.52A.

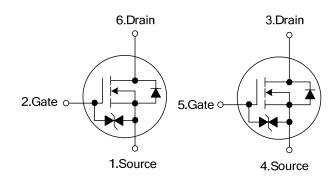
This product is particularly suited to low voltage applications requiring a low current high side switch.



* $R_{DS(ON)}$ < 10 Ω @ V_{GS} =-4.5V, I_{D} =-0.1A

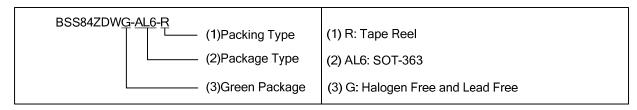


■ SYMBOL



■ ORDERING INFORMATION

Ordering Number	Package	Pin Assignment						Doolsing
		1	2	3	4	5	6	Packing
BSS84ZDWG-AL6-R	SOT-363	S1	G1	D2	S2	G2	D1	Tape Reel



MARKING



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■ **ABSOLUTE MAXIMUM RATINGS** (T_A = 25°C, unless otherwise specified)

PARAMETER		SYMBOL	RATINGS	UNIT	
Drain-Source Voltage		V_{DSS}	-50	V	
Gate-Source Voltage		V_{GSS}	±20	>	
Continuous Drain Current	DC	I _D	-0.13	۸	
	Pulse		-0.52	Α	
Power Dissipation		P_D	0.36	W	
Junction Temperature		TJ	+150	°C	
Storage Temperature		T _{STG}	-55 ~ +150	°C	

Note: Absolute maximum ratings are those values beyond which the device could be permanently damaged. Absolute maximum ratings are stress ratings only and functional device operation is not implied.

■ THERMAL DATA

PARAMETER	SYMBOL	RATINGS	UNIT
Junction to Ambient	θ_{JA}	350	°C/W

■ **ELECTRICAL CHARACTERISTICS** (T_A=25°C, unless otherwise specified)

V μA μA V Ω A
μA μA V Ω A
μA V Ω A
V Ω A
Ω
Ω
Α
S
pF
pF
pF
nC
nC
nC
ns
ns
ns
ns
V
Α
Α

Note: Pulse test, pulse width ≤ 300us, duty cycle≤ 2%

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