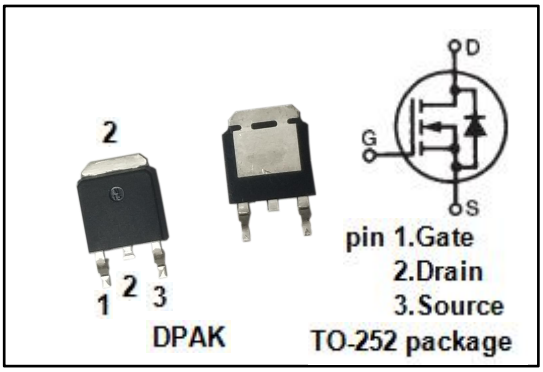
isc P-Channel MOSFET Transistor SFR9210

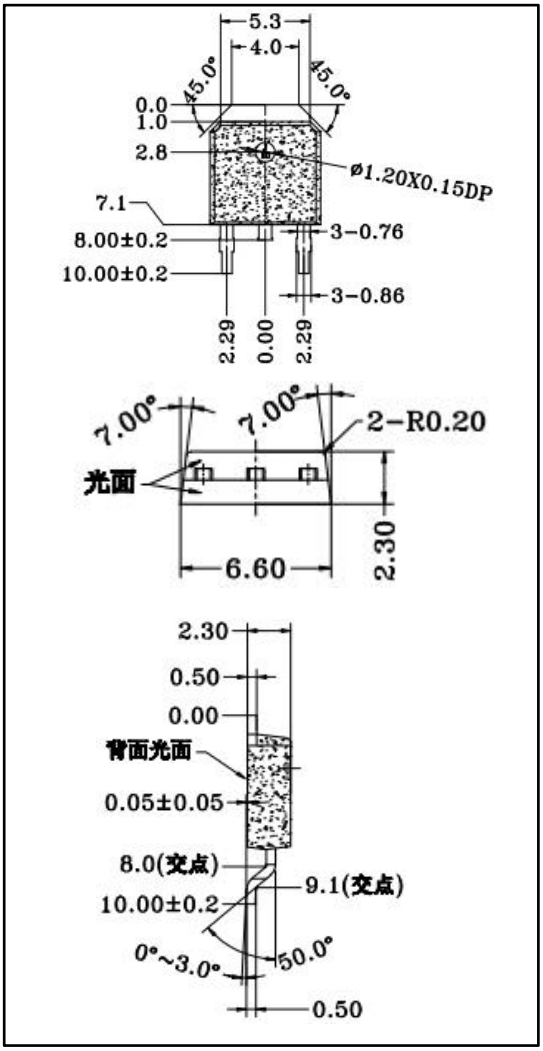
FEATURES

- Drain Current –I_D= -1.6A@ T_C=25℃
- Drain Source Voltage-
  : V_{DSS}= -200V(Min)
- Static Drain-Source On-Resistance
  : $R_{DS(on)}$ = 3Ω (Max)
- 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation



DESCRIPTION

- motor drive, DC-DC converter, power switch and solenoid drive.



ABSOLUTE MAXIMUM RATINGS(T_a=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V_{DSS}	Drain-Source Voltage	-200	V
V_{GS}	Gate-Source Voltage-Continuous	±30	V
I_D	Drain Current-Continuous	-1.6	A
I_{DM}	Drain Current-Single Pluse	16	A
P_D	Total Dissipation @T_C=25℃	33	W
T_J	Max. Operating Junction Temperature	150	℃
T_{stg}	Storage Temperature	-55~150	℃

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
$R_{th\ j\text{-}c}$	Thermal Resistance, Junction to Case	3.7	℃/W

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ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
$V_{(BR)DSS}$	Drain-Source Breakdown Voltage	V_{GS}= 0; I_D= 0.25mA	-200	--	V
$V_{GS(th)}$	Gate Threshold Voltage	V_{DS}=- 5V; I_D= 0.25mA	-2.0	-4.0	V
$R_{DS(on)}$	Drain-Source On-Resistance	V_{GS}= -10V; I_D=-0.8A	--	3	Ω
I_{GSS}	Gate-Body Leakage Current	V_{GS}= ±30V;V_{DS}= 0	--	±0.1	uA
I_{DSS}	Zero Gate Voltage Drain Current	V_{DS}=- 200V; V_{GS}= 0	--	-10	uA
V_{SD}	Forward On-Voltage	I_S= -1.6A; V_{GS}= 0	--	-4	V

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