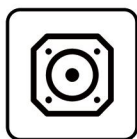


自主封測 品質把控 售後保障

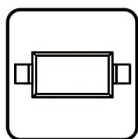
WEB | WWW.TDSEMIC.COM



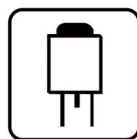
電源管理



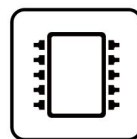
顯示驅動



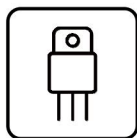
二三極管



LDO穩壓器



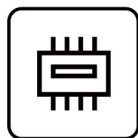
觸摸芯片



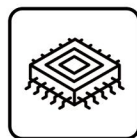
MOS管



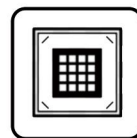
運算放大器



存儲芯片



MCU



串口通信

ES2JB-TD

產品規格說明書

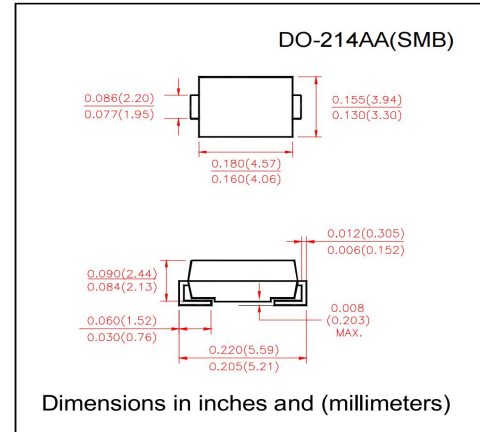
SURFACE MOUNT SUPER FAST RECTIFIER

FEATURES

- Plastic package has Underwrites Laboratory Flammability Classification 94V-0
- Glass passivated chip junction
- Built-in strain relief
- Super Fast switching speed for high efficiency
- High temperature soldering guaranteed: 250°C/10 seconds

MECHANICAL DATA

- Case: JEDED DO-214AA transfer molded plastic
- Terminals: Solder plated, Solderable per MIL-STD-750,
- Method 2026
- Polarity: Color band denotes cathode end
- Weight: 0.003 ounce, 0.093 gram



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

- Ratings at 25°C ambient temperature unless otherwise specified.
- Single phase, half wave, 60Hz, resistive or inductive load.
- For capacitive load derate current by 20%.

		SYMBOLS	ES2A	ES2B	ES2C	ES2D	ES2E	ES2G	ES2J	UNIT
Maximum Repetitive Peak Reverse Voltage		V _{RRM}	50	100	150	200	300	400	600	Volts
Maximum RMS Voltage		V _{RMS}	35	70	105	140	210	280	420	Volts
Maximum DC Blocking Voltage		V _{DC}	50	100	150	200	300	400	600	Volts
Maximum Average Forward Rectified Current at T _L =100℃		I _(AV)	2.0							Amps
Peak Forward Surge Current 8.3ms single half sine wave superimposed on rated load (JEDEC method)		I _{FSM}	50							Amps
Maximum Instantaneous Forward Voltage @ 2.0A		V _F	0.95			1.25	1.7			Volts
Maximum DC Reverse Current at rated DC Blocking voltage per element	T _A =25℃	I _R	5.0							μA
	T _A =125℃		200							
Maximum Reverse Recovery Time Test conditions I _F =0.5A, I _R =1.0A, I _{RR} =0.25A		t _{rr}	35							nS
Typical Junction Capacitance (Measured at 1.0MHz and applied reverse voltage of 4.0V)		C _J	25			208			pF	
Typical Thermal Resistance (Note 1)		R _{θJA}	75							℃/W
		R _{θJL}	17							
Operating Junction Temperature Range		T _J	(-55 to +150)							℃
Storage Tempetature Rang		T _{STG}	(-55 to +150)							℃

Notes:

1. Thermal resistance from Junction to ambient and from junction to lead mounted on P.C.B. with 0.3"×0.3"(8.0mm × 8.0mm) copper pad areas.

RATING AND CHARACTERISTIC CURVES ES2A THRU ES2J

