

3A Avg.

200 Volts

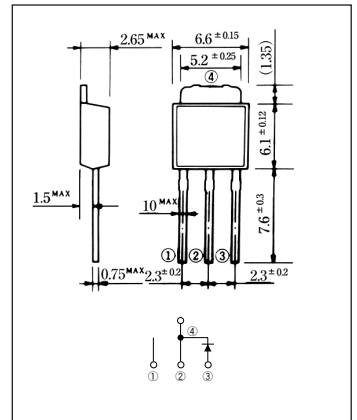
FRED

ESU03A20

■最大定格 Maximum Ratings

Item	Symbol	Conditions		Unit
くり返しピーク逆電圧 Repetitive Peak Reverse Voltage	V_{RRM}	200		V
平均整流電流 Average Rectified Forward Current	I_O	50Hz、正弦半波通電抵抗負荷 50Hz Half Sine Wave Resistive Load	$T_c=128^\circ\text{C}$ T_c : Case Temperature	3.0
			$T_a=28^\circ\text{C}^*$	1.6
実効順電流 R.M.S. Forward Current	$I_F(\text{RMS})$	4.71		A
サージ順電流 Surge Forward Current	I_{FSM}	45 50Hz正弦半波、1サイクル、非くり返し 50Hz Half Sine Wave, 1cycle, Non-repetitive		A
動作接合温度範囲 Operating Junction Temperature Range	T_{jw}	-40~+150		$^\circ\text{C}$
保存温度範囲 Storage Temperature Range	T_{stg}	-40~+150		$^\circ\text{C}$

■OUTLINE DRAWING(mm)



■APPROX. NET WEIGHT:0.35 g

■電氣的・熱的特性 Electrical/Thermal Characteristics

Item	Symbol	Conditions	Min.	Typ.	Max.	Unit
ピーク逆電流 Peak Reverse Current	I_{RM}	$T_j=25^\circ\text{C}$, $V_{RM}=V_{RRM}$	—	—	20	μA
ピーク順電圧 Peak Forward Voltage	V_{FM}	$T_j=25^\circ\text{C}$, $I_{FM}=3\text{A}$	—	0.94	1.10	V
逆回復時間 Reverse Recovery Time	t_{rr}	$I_{FM}=3\text{A}$, $-di/dt=50\text{A}/\mu\text{s}$, $T_j=25^\circ\text{C}$	—	15	25	ns
熱抵抗 Thermal Resistance	$R_{th(j-a)}$	接合部・周囲間 Junction to Ambient	—	—	80	$^\circ\text{C}/\text{W}$
	$R_{th(j-c)}$	接合部・ケース間 Junction to Case	—	—	6	$^\circ\text{C}/\text{W}$

* Print Land =20×20 mm

■定格・特性曲線

