

Maximum Ratings And Electrical Characteristics (T_A=25[°]C unless otherwise noted)

PARAMETER		SYMBOL	VALUE	UNIT
Maximum repetitive peak reverse voltage		V _{RRM}	1000	V
Maximum rms voltage		V _{RMS}	700	V
Maximum dc blocking voltage		V _R	1000	V
Maximum average forward rectified current		I _{F(AV})	2	А
Peak forward surge current : 8.3ms single half sine- wave superimposed on rated load		I _{FSM}	50	А
Maximum forward voltage at 2A		V _F	1.3	V
Typical thermal resistance	(Note 1)	R _{θJA}	160	
	(Note 2)	$R_{ ext{ ext{ ext{ ext{ ext{ ext{ ext{ ext$	40	°C/W
	(Note 2)	$R_{ ext{ ext{ ext{ ext{ ext{ ext{ ext{ ext$	30	
Typical junction capacitance (V _R =4V, f=1MHz)		CJ	22	pF
Maximum Reverse Recovery Time (Note 3)		T _{RR}	200	ns
Operating junction temperature range		TJ	-55 to +150	°C
Storage temperature range		T _{STG}	-55 to +150	°C

Note : 1. Mounted on a FR4 PCB, single-sided copper, mini pad.

2. Mounted on a FR4 PCB, single-sided copper, with 100cm² copper pad area

3. Reverse Recovery Test Conditions : IF=0.5A, IR=-1A, Recovery to -0.25A



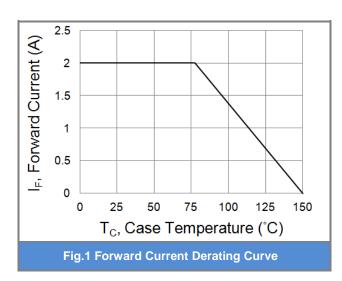


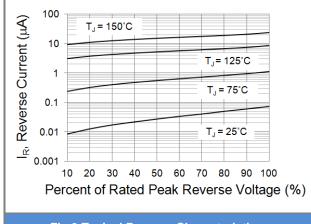
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PARAMETER		SYMBOL	VALUE	UNIT
Maximum dc reverse current at rated dc blocking voltage	T _J = 25 °C T _J = 125 °C	I _R	5 100	μΑ
Rating for fusing (t < 8.3ms)		l ² t	10.37	A ² sec

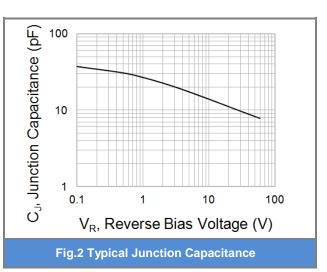


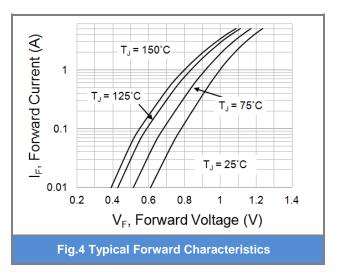
TYPICAL CHARACTERISTIC CURVES











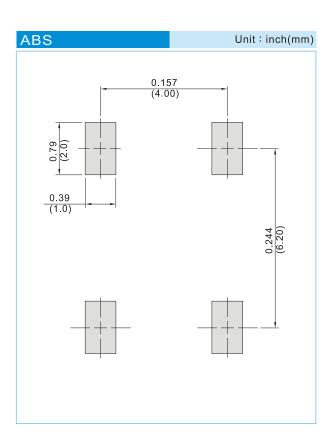




PART NO PACKING CODE VERSION

Part No Pac	cking Code	Package Type	Packing Type	Marking	Version
TR10S-20-LE	E_R2_00001	ABS	4K pcs / 13" reel	RBS210	Halogen free

MOUNTING PAD LAYOUT





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