

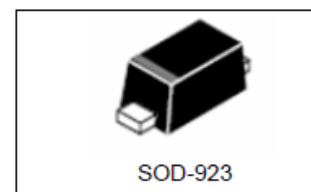
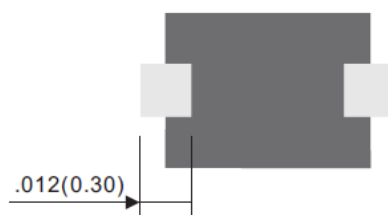
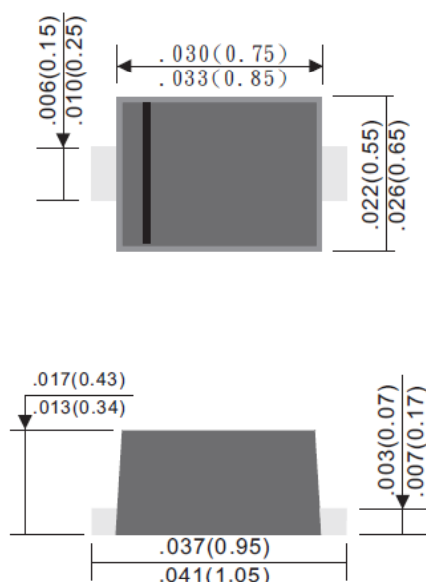


ERS751CS-40T5



30mA Surface Mount Schottky Barrier Rectifiers-40V

SOD-923



Polarity: Color band denotes cathode end

Dimensions in inches and (millimeters)

APPLICATIONS

- Low current rectification

FEATURES

- Extremely small surface mounting type. (SOD-923)
- Low V_F
- High reliability
- We declare that the material of product compliance with RoHS requirements
- Pb-Free package is available
- RoHS product for packing code suffix "G"
- Halogen free product for packing code suffix "H"
- Moisture Sensitivity Level 1

CONSTRUCTION

- Silicon epitaxial planar

Device Marking and Ordering Information		
Device	Marking	Shipping
ERS751CS-40T5	5	8000/Tape&Reel



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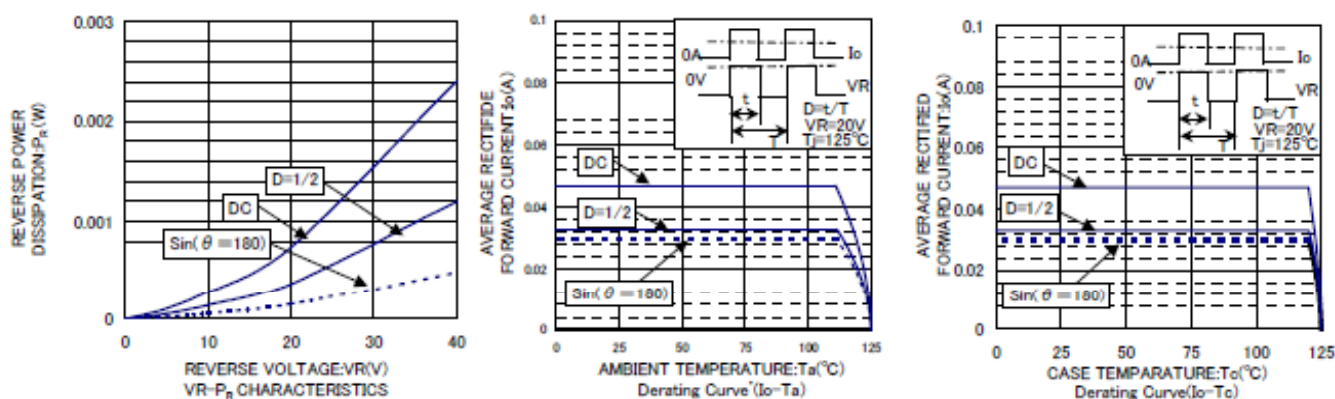
Maximum Ratings ($T_A=25^\circ\text{C}$ unless otherwise noted)

Parameter	Symbol	Limit	Unit
Repetitive peak reverse voltage	V_{RM}	40	V
DC reverse voltage	V_R	30	V
Mean rectifying current	I_O	30	mA
Peak forward surge current (60Hz · 1cyc)	I_{FSM}	200	mA
Junction temperature	T_J	125	$^\circ\text{C}$
Operating/ Storage Temperature	T_{STG}	-40~+125	$^\circ\text{C}$

Electrical Characteristics ($T_A=25^\circ\text{C}$ unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage ($I_F = 1\text{ mA}$)	V_F	—	—	0.37	V
Reverse Leakage ($V_R = 30\text{ V}$)	I_R	—	—	0.5	μA
Capacitance Between Terminals ($V_R=1\text{V}$, $f=1\text{MHz}$)	C_T	—	2	—	pF

Electrical characteristic curves ($T_A=25^\circ\text{C}$)





ERS751CS-40T5

Pb RoHS

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●Electrical characteristic curves

