Plastic package has Underwriters Laboratory

Flammability Classification 94V-O.

• Low power loss, High efficiency

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS 20~60 V 5 A Current

High surge capacity For use in low voltage, high frequency inverters free wheeling, and • polarity protection applications

- Lead free in compliance with EU RoHS 2011/65/EU directive.
- Green molding compound as per IEC61249 Std..(Halogen Free)

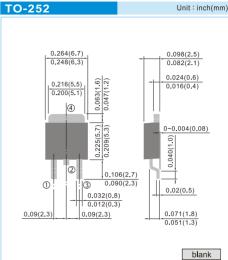
• For surface mounted applications in order to optimize board space

Mechanical Data

- Case: TO-252 Molded plastic
- Terminals: Solder plated, solderable per MIL-STD-750, Method 2026
- Polarity: As marking •
- Approx. Weight: 0.0104 ounces, 0.297 grams •
- Marking: Part number •

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

PARAMETER	SYMBOL	SD520S	SD530S	SD540S	SD550S	SD560S	UNIT
Maximum repetitive peak reverse voltage	V _{RRM}	20	30	40	50	60	V
Maximum rms voltage	V _{RMS}	14	21	28	35	42	V
Maximum dc blocking voltage	V _R	20	30	40	50	60	V
Maximum average forward rectified current	I _{F(AV)}	5					А
Peak forward surge current : 8.3ms single half sine- wave superimposed on rated load	I _{FSM}	100					А
Maximum forward voltage at 5A	V _F	0.55 0.75			75	V	
Maximum dc reverse current TJ=25 °C		0.2			0.1		mA
at rated dc blocking voltage $T_J=100$ °C	I _R	20			20		
Typical thermal resistance	$R_{\Theta JC}$	5			°C/W		
Operating junction temperature range	TJ	-55 to +125		-55 to +150		°C	
Storage temperature range	T _{STG}	-55 to +150			°C		



3→⊢@



Voltage

Features

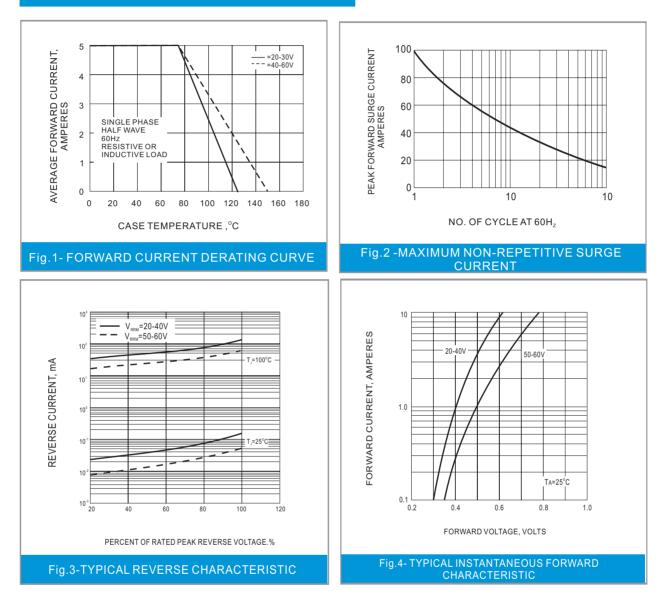
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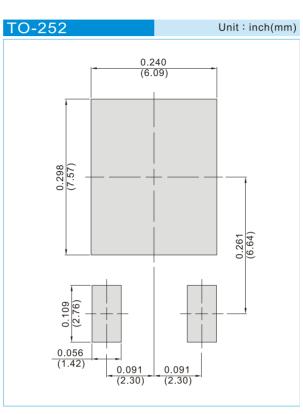
RATING AND CHARACTERISTIC CURVES







MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information
 - T/R 3K per 13" plastic Reel



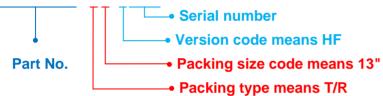


Part No_packing code_Version

SD520S_L2_00001 SD520S_S2_00001

For example :

RB500V-40_R2_00001



Packing Code XX				Version Code XXXXX			
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code	
Tape and Ammunition Box (T/B)	Α	N/A	0	HF	0	serial number	
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number	
Bulk Packing (B/P)	В	13"	2				
Tube Packing (T/P)	т	26mm	x				
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y				
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U				
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D				



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