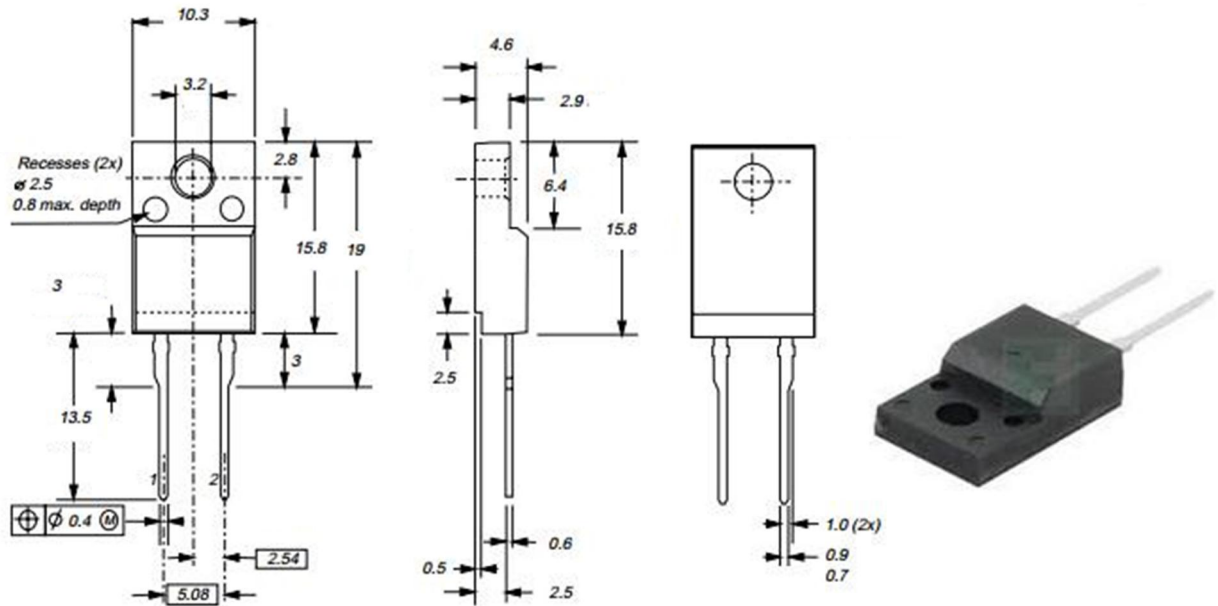


КОРПУС SOD-113



GENERAL DESCRIPTION

Glass-passivated double diffused rectifier diode in a plastic envelope featuring low forward voltage drop, fast reverse recovery and soft recovery characteristic. The device is intended for use in TV receivers and PC monitors.

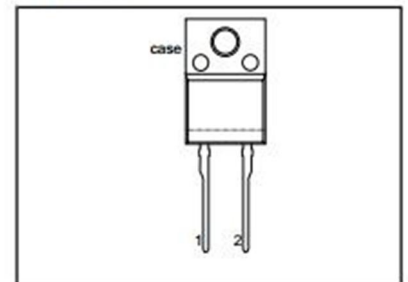
The BY359X series is supplied in the conventional leaded SOD113 package.

PINNING

PIN	DESCRIPTION
1	cathode
2	anode
tab	isolated

SOD113

BY359X



LIMITING VALUES

Limiting values in accordance with the Absolute Maximum System (IEC 134).

SYMBOL	PARAMETER	CONDITIONS	MIN.	MAX.	UNIT
V_{RSM}	Peak non-repetitive reverse voltage		-	1500	V
V_{RRM}	Peak repetitive reverse voltage		-	1500	V
V_{RWM}	Crest working reverse voltage		-	1300	V
$I_{F(peak)}$	Peak forward current	16-32kHz TV 31-70kHz monitor	-	10 7	A
$I_{F(RMS)}$	RMS forward current		-	15.7	A
I_{FRM}	Peak repetitive forward current	sinusoidal; $a = 1.57$	-	60	A
I_{FSM}	Peak non-repetitive forward current	$t = 10$ ms $t = 8.3$ ms	-	60 66	A
T_{stg}	Storage temperature	sinusoidal; $T_j = 150$ °C prior to surge; with reapplied $V_{RWM(max)}$	-40	150	°C
T_j	Operating junction temperature		-	150	°C

ISOLATION LIMITING VALUE & CHARACTERISTIC

$T_{hs} = 25$ °C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN.	TYP.	MAX.	UNIT
V_{isol}	R.M.S. isolation voltage from both terminals to external heatsink	$f = 50-60$ Hz; sinusoidal waveform; R.H. $\leq 65\%$; clean and dustfree	-		2500	V
C_{isol}	Capacitance from both terminals to external heatsink	$f = 1$ MHz	-	10	-	pF