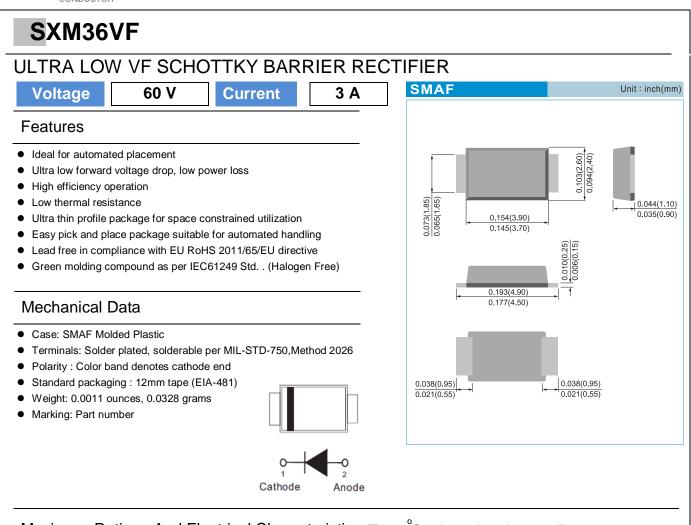
PAN	JIT
	SEMI CONDUCTOR



### Maximum Ratings And Electrical Characteristics (T<sub>A</sub>=25°C unless otherwise noted)

PARAMETER		SYMBOL	LIMIT	UNIT	
Maximum repetitive peak reverse voltage		Vrrm	60	V	
Maximum rms voltage		Vrms	42	V	
Maximum dc blocking voltage		Vr	60	V	
Maximum average forward rectified current		lf(AV)	3	Α	
Peak forward surge current : 8.3ms single half sine- wave superimposed on rated load		IFSM	80	А	
Typical junction capacitance (VR=4V,f=1MHz)		CJ	200	pF	
<b>-</b> · · · · · ·	(Note 2)	$R_{ ext{ heta}JA}$	150	°C/W	
Typical thermal resistance	(Note 1)	$R_{ ext{ heta}JC}$	20		
Operating junction temperature range		TJ	-55 to +150	°C	
Storage temperature range		Тѕтс	-55 to +150	°C	

Note : 1. Mounted on a FR4 PCB, single-sided copper, with 100cm<sup>2</sup> copper pad area.

2. Mounted on a FR4 PCB, single-sided copper, mini pad.

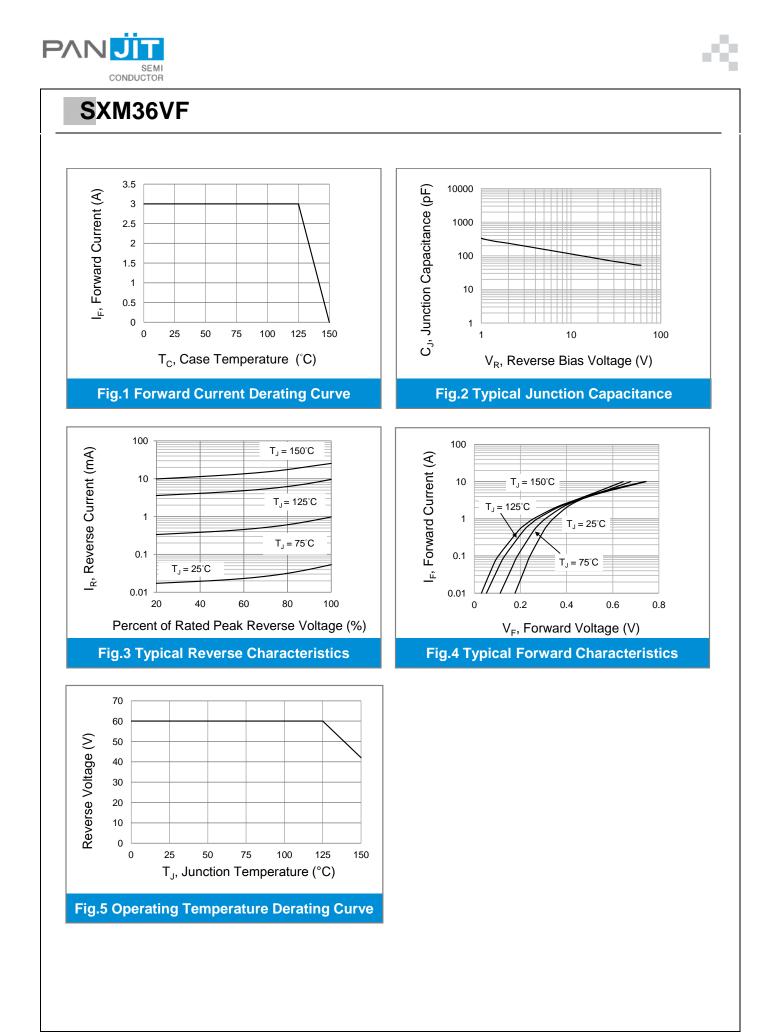




# SXM36VF

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

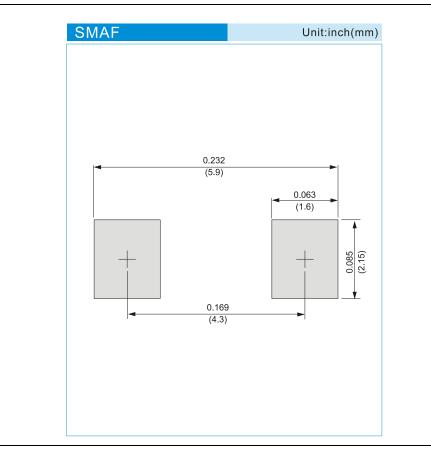
PARAMETER	SYMBOL	TEST CONDITION		MIN.	TYP.	MAX.	UNITS
Breakdown voltage	$V_{BR}$	I <sub>R</sub> =0.5mA	TJ=25°C	60	-	-	V
Instantaneous forward voltage		I <sub>F</sub> =1A	TJ=25°C	-	0.34	-	V
		I <sub>F</sub> =3A		-	0.45	0.5	
	VF	I <sub>F</sub> =1A	TJ=125°C	-	0.27	-	V
		I <sub>F</sub> =3A		-	0.43	-	
Reverse current I <sub>R</sub>		V <sub>R</sub> =48V	TJ=25°C	-	35	-	μA
	I <sub>R</sub>	V <sub>R</sub> =60V	TJ=25°C	-	-	220	μA
			TJ=125°C	-	10	-	mA





# SXM36VF

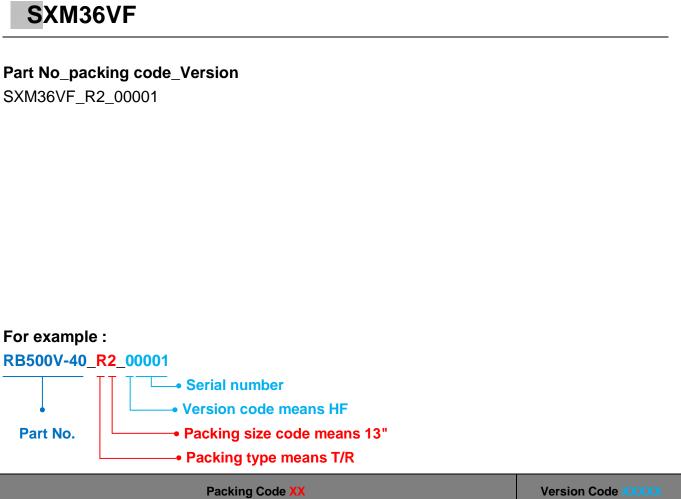
## MOUNTING PAD LAYOUT



#### ORDER INFORMATION

Packing information
T/R – 10K per 13" plastic Reel
T/R – 3K per 7" plastic Reel





Packing Code XX			Version Code XXXXX			
Packing type	1 <sup>st</sup> Code	Packing size code	2 <sup>nd</sup> Code	HF or RoHS	1 <sup>st</sup> Code	2 <sup>nd</sup> ~5 <sup>th</sup> 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			



## SXM36VF

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