ΡΛΝ	J	17	Γ
			MI
	COND	DUCT	OR.



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

PARAMETER		SYMBOL	LIMIT	UNIT	
Maximum repetitive peak reverse voltage		Vrrm	45	V	
Maximum rms voltage		Vrms	32	V	
Maximum dc blocking voltage		Vr	45	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 thermal resistance	(Note 1)	$R_{ extsf{ heta}JC}$	22	°C/W	
	(Note 2)	$R_{ extsf{ heta}JA}$	150		
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 10cm*10cm copper pad area.

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



Electrical Characteristics (T_A=25°C unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITION		MIN.	TYP.	MAX.	UNITS
Breakdown voltage	V_{BR}	I _R =0.5mA	TJ=25°C	45	-	-	V
Instantaneous forward voltage	V _F	I _F =1A	TJ=25°C	-	0.34	-	V
		I _F =3A		-	0.42	0.47	
		I _F =1A	TJ=125⁰C	-	0.27	-	V
		I _F =3A		-	0.38	-	
Reverse current I _R		V _R =36V	TJ=25°C	-	16	-	μA
	I _R		TJ=25°C	-	-	60	μA
		V _R =45V	TJ=125°C	-	4	-	mA







SMA/DO-214AC Unit : inch(mm) Unit : inch(mm)

ORDER INFORMATION

Packing information
 T/R – 7.5K per 13" plastic Reel
 T/R – 1.8K per 7" plastic Reel





Part No_packing code_Version

SXM345AV_R1_00001 SXM345AV_R2_00001

For example :

RB500V-40_R2_00001

Serial number
Version code means HF
Part No.
Packing size code means 13"

- Packing type means T/R

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			



Disclaimer

- Reproducing and modifying information of the document is prohibited without permission from Panjit International Inc..
- Panjit International Inc. reserves the rights to make changes of the content herein the document anytime without notification. Please refer to our website for the latest document.
- Panjit International Inc. disclaims any and all liability arising out of the application or use of any product including damages incidentally and consequentially occurred.
- Panjit International Inc. does not assume any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.
- Applications shown on the herein document are examples of standard use and operation. Customers are responsible in comprehending the suitable use in particular applications. Panjit International Inc. makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.
- The products shown herein are not designed and authorized for equipments requiring high level of reliability or relating to human life and for any applications concerning life-saving or life-sustaining, such as medical instruments, transportation equipment, aerospace machinery et cetera. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Panjit International Inc. for any damages resulting from such improper use or sale.
- Since Panjit uses lot number as the tracking base, please provide the lot number for tracking when complaining.