

FEATURES

- Average Forward Current:I_{F(AV)}=1A
- Polarity: Color band denotes cathode

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
US2A-US2M	SMA	US2 *	2000





★:FromA-M

MAXIMUM RATINGS (Ta=25 unless otherwise noted)

ltem	Symbol	Unit	Test Conditions	US2								
Item				Α	В	D	Е	G	J	К	М	
Repetitive Peak Reverse Voltage	V _{RRM}	V		50	100	200	300	400	600	800	1000	
Maximum RMS Voltage	V _{RMS}	V		35	70	140	210	280	420	560	700	
Average Forward Current	I _{F(AV)}	A	60Hz Half-sine wave, Resistance load,FIG.1	2.0								
Surge(Non-repetitive)Forward Current	I _{FSM}	A	60Hz Half-sine wave, 1 cycle,Ta=25℃	60								
Junction Temperature	TJ	Ĉ		-55~+125 -55~+150								
Storage Temperature	T _{STG}	°C		-55 ~ +150								

ELECTRICAL CHARACTERISTICS (Ta=25 unless otherwise specified)

Item	O maked 11	11	Unit Test Condition			US2							
	Symbol	Unit	lest Co	Α	В	D	E	G	J	К	М		
Peak Forward Voltage	V_{F}	V	I _F =		1.0		1	.3	1.85				
Deals Deverse Current	I _{RRM1}			T _a =25℃	0.05								
Peak Reverse Current	I _{RRM2}	mA	V _{RM} =V _{RRM}	Ta=100℃			0.15						
Thermal	$R_{\theta J\text{-}A}$	°C/ Between junction and ambient			65								
Resistance(Typical)	$R_{\theta_{J}-L}$	W	Between junct	ion and terminal	20								

Notes:

Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.2" x 0.2" (5.0 mm x 5.0 mm) copper pad areas



Typical Characteristics

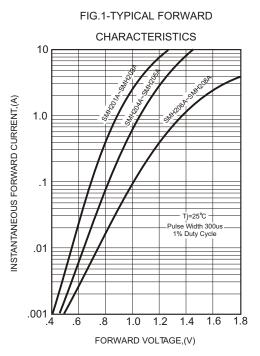
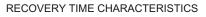
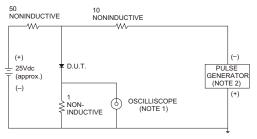
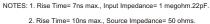
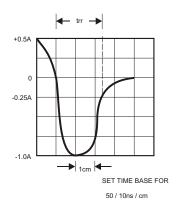


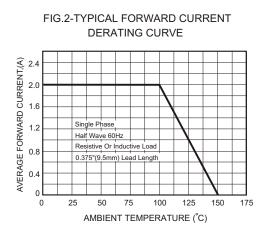
FIG.3- TEST CIRCUIT DIAGRAM AND REVERSE



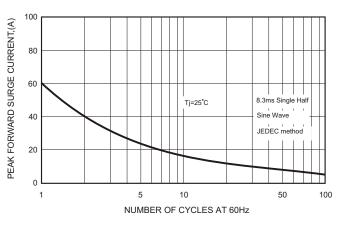




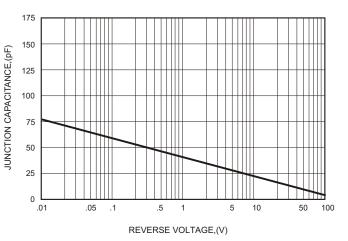






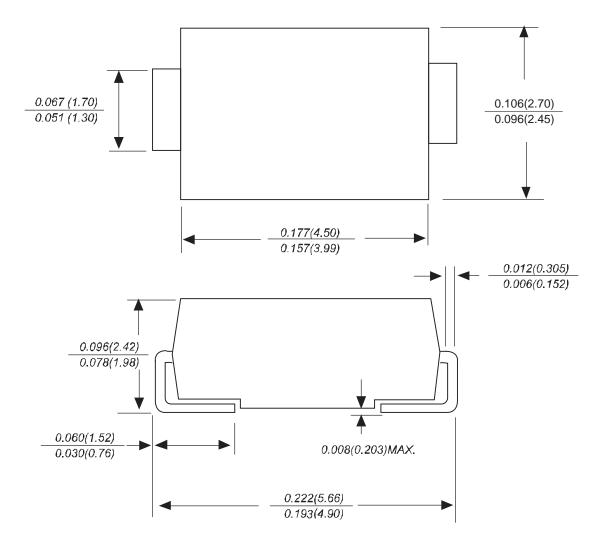








SMA Package Outline Dimensions



Dimensions in inches and (millimeters)



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