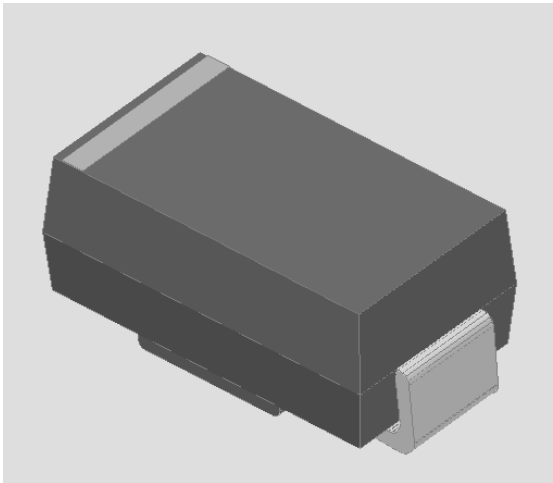


Typical Applications

For use in high frequency rectification of power supplies, inverters, converters, and freewheeling diodes for consumer, automotive and telecommunication.

Mechanical Data

- **Package:** DO-214AC (SMA)
Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** Cathode line denotes the cathode end

■Maximum Ratings (Ta=25 Unless otherwise specified

PARAMETER			
	FSM	A	30
Storage temperature	T _{stg}		-55~+150
Junction temperature	T _j		-55 ~ +150

■Electrical Characteristics Ta

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	HS1MQ
Maximum instantaneous forward voltage drop per diode	V _F	V	I _{FM} =1.0A	1.7
Maximum reverse recovery time	T _{RR}	ns	I _F =0.5A, I _R =1.0A, I _{rr} =0.25A	75
Maximum DC reverse current at rated DC blocking voltage per diode @ V _{RM} =V _{RRM}	I _{RRM}	μA	Ta=25	5
			Ta=100	50
Typical junction capacitance	C _J	pF	V _R =4V, f=1MHz	10

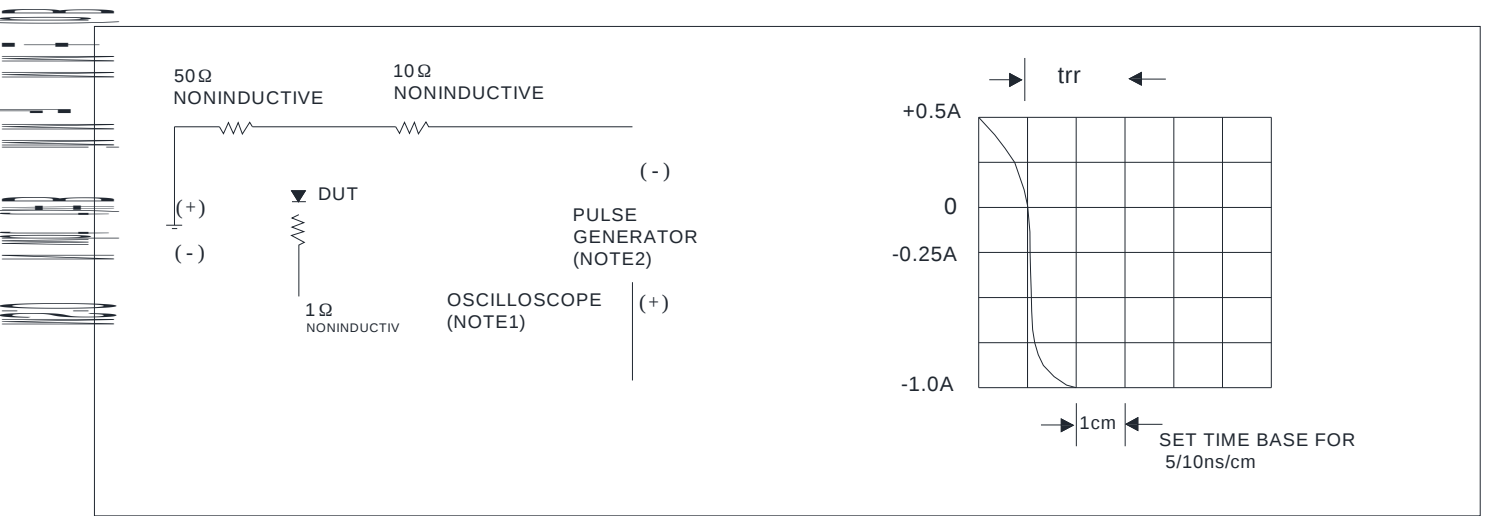
v7KHUPDO &KDUDÄ7WHUL8VQDFFVV RWKHUÄLVH VSHFLILHG

3\$5\$0(7(5	6<0%2/	81,7	+6 04
7\SLFDO 7KHUPDO 5HVLVWDQFH	5. \$	- :	



HS1MQ

FIG.5: Diagram of circuit and Testing wave form of reverse recovery time

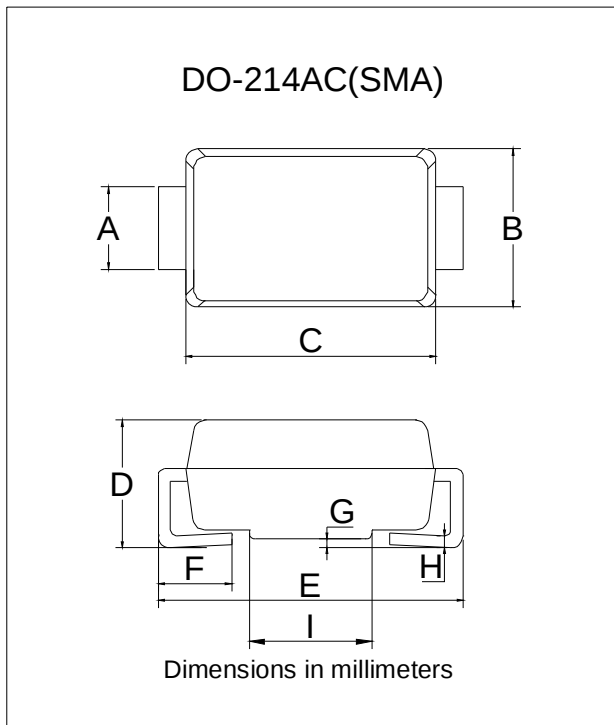


■Ordering Information (Example)

PREFERED P/N	PACKAGE CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
HS1MQ	F2	Approximate 0.067	7500	/	120000	13" reel

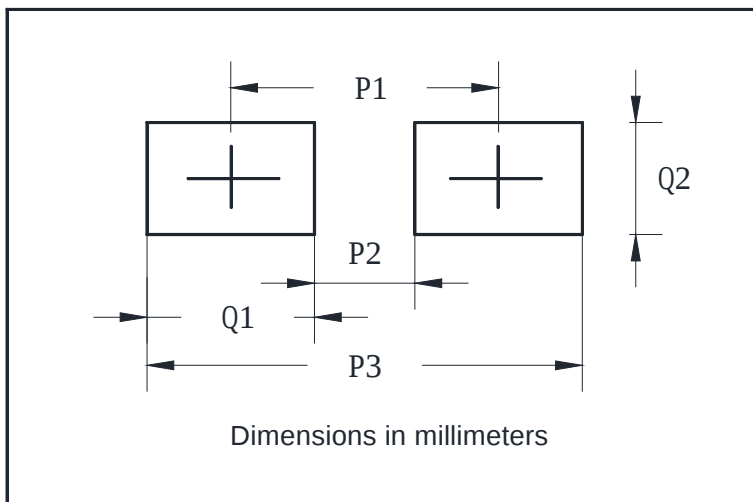


■ Outline Dimensions



DO-214AC(SMA)		
Dim	Min	Max
A	1.25	1.58
B	2.40	2.83
C	4.00	4.75
D	1.90	2.30
E	4.93	5.28
F	0.76	1.41
G	0.05	0.20
H	0.15	0.31
I	1.7	2.1

■ Suggested Pad Layout



DO-214AC(SMA)	
Dim	Millimeters
P1	4.00
P2	1.50
P3	6.50
Q1	2.50
Q2	1.70



Disclaimer

The information presented in this