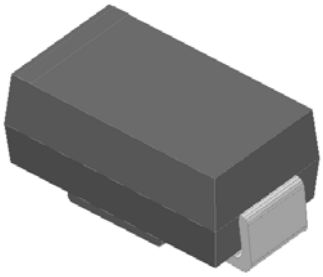
Thyristor Surge Suppressors





Features

- Low switching voltage
- Low on-state voltage
- Does not degrade surge capability after multiple surge events within limit
- Fails short circuit when surged in excess of ratings
- Low Capacitance

Typical Applications

- Protect circuit

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

■Maximum Ratings (Ta=25℃ Unless otherwise specified）

PARAMETER	SYMBOL	UNIT	Max
Storage temperature	T_{stg}	℃	-55~+150
Junction temperature	Tj	℃	-55~+150

■Thermal Characteristics （Ta=25℃ Unless otherwise specified）

Part Number	Vdrm @Idrm=5μA (V)	Vs @100V/μs (V)	Vt @It=2.2Amps (V)	Idrm@Vdrm (μA)	Is (mA)	It (A)	Ih (mA)	Co @1MHz,2V bias (pF)
	Min	Max	Max	Max	Max	Max	Min	Typ.
P0080T_	6	25	4	5	800	2.2	30	60
P0300T_	25	40	4	5	800	2.2	50	55
P0640T_	58	77	4	5	800	2.2	120	55
P0720T_	65	88	4	5	800	2.2	120	55
P0900T_	75	98	4	5	800	2.2	120	55
P1100T_	90	130	4	5	800	2.2	120	55
P1300T_	120	160	4	5	800	2.2	120	55
P1500T_	140	180	4	5	800	2.2	120	55
P1800T_	170	220	4	5	800	2.2	120	55
P2300T_	190	260	4	5	800	2.2	120	55
P2600T_	220	300	4	5	800	2.2	120	55
P3100T_	275	350	4	5	800	2.2	120	55
P3500T_	320	400	4	5	800	2.2	120	55
P4000T_	360	460	4	5	800	2.2	120	55

For individual “TA”and “TB” surge ratings, see table below.

Series	Ipp 10/700us (A)	Ipp 8/20us (A)	Ipp 10/1000us (A)
	Min	Min	Min
A	50	150	45
B	100	250	80

■ **Characteristics** (Typical)

FIG1:V-I Characteristics

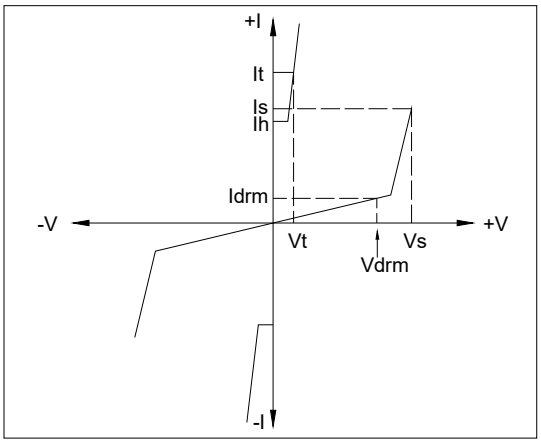


FIG2: tr*td Pulse Wave-form

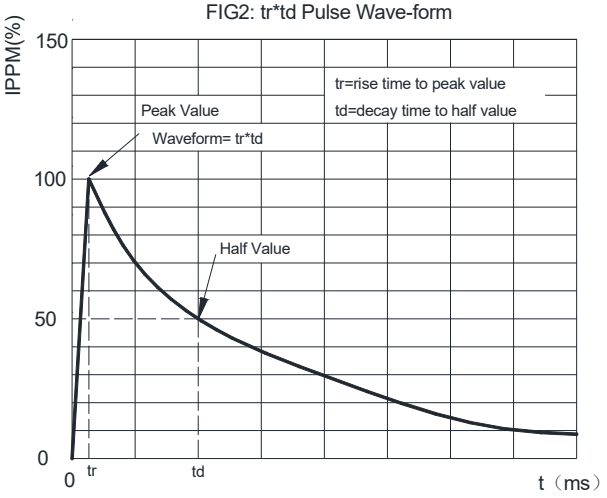


FIG3:Normalized Vs Change versus Junction Temperature

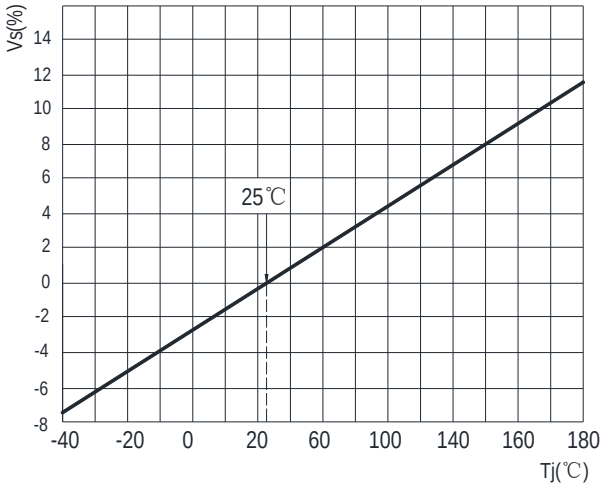
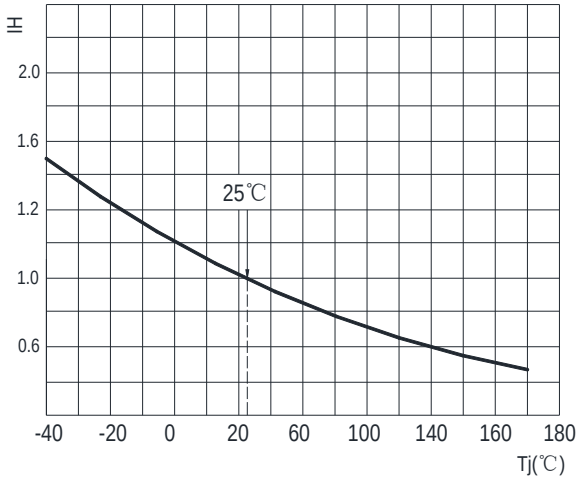


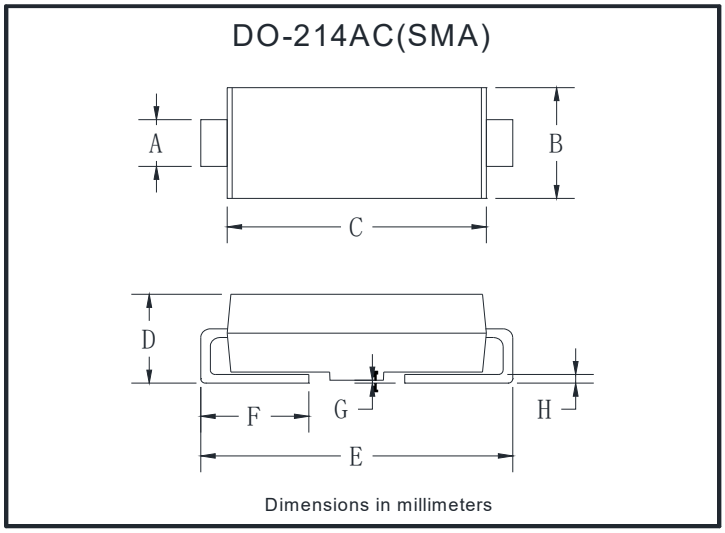
FIG4:Normalized DC Holding Current



■**Ordering Information** (Example)

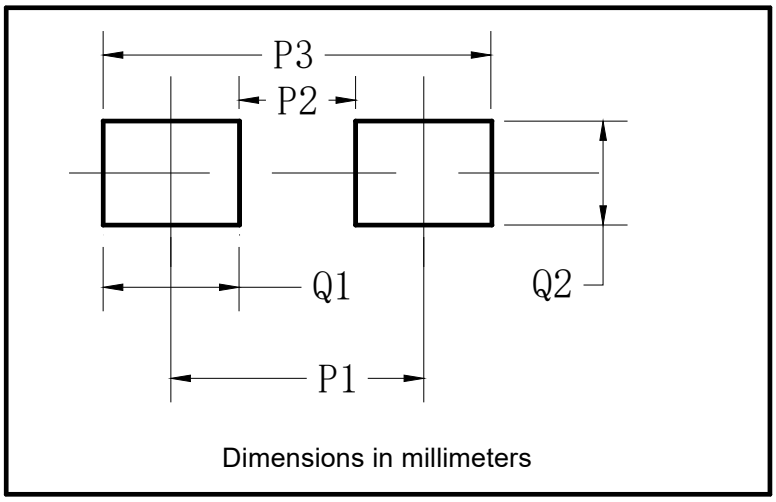
PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
P0080TA-P4000TB	F1	Approximate 0.059	5000	10000	80000	13” reel

■ 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	0.08	0.20
H	0.15	0.31

■Suggested Pad Layout



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

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