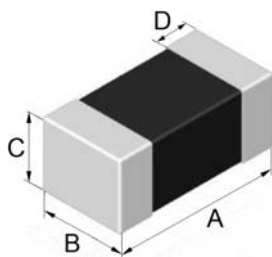


1. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)
0603	1.60±0.15	0.80±0.10	0.90 max.	0.30±0.10

2. Part Numbering

TVS
0603
EH
240
-
0R2
P

A B C D E F

A: Series

B: Dimension

C: Category Code

D: Working Voltage 240=24V

E: Capacitance 0R2=0.2pF

F: Inner Code

3. Specification

TAI-TECH Part Number	Working Voltage $V_{DC}(\text{max})$ (V)	Typical ESD Trigger Voltage $V_{\text{trigger}}(\text{typ})$ (V)	Typical ESD Clamping Voltage at 30ns $V_c(\text{typ})$ (V)	Leakage Current (at Initial State) I_{LDC} (μA)	Leakage Current (after ESD Test) I_{LDCA} (μA)	Cap. Value at 1MHz C (pF)
TVS0603EH240-0R2P	24	300	30	< 0.05	< 10	0.20 (max. 0.40)

Notes :

1. The clamping voltage was measured by IEC61000-4-2 level 4, direct discharge 8KV.
2. The leakage current was measured at V_{DC} .

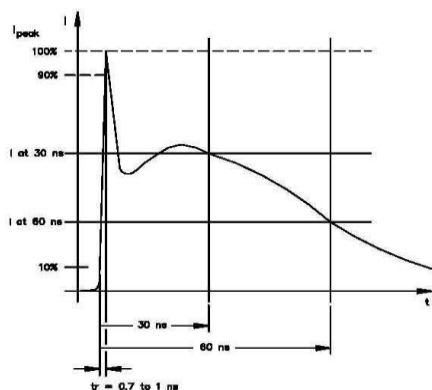
3-1. Reference Data			
ITEM	Symbol	Unit	Value
Response time	Trise	ns	< 0.5
Operation ambient temperature	T_{OPT}	$^{\circ}\text{C}$	-50~+85
Storage temperature	T_{STG}	$^{\circ}\text{C}$	-50~+125
Withstanding ESD capability	IEC61000-4-2		Level 4

3-2. Other Data	
Body	Nano special ceramic
End termination	Ag/Ni/Sn
Packaging	Reel
Complies with standard	IEC61000-4-2
Complies with RoHs standard	Yes
Lead content	< 1000 ppm
Marking	None

Notes :

The components shall be employed within 1 year, in the nitrogen condition.

4. ESD Wave Form



IEC61000-4-2 Standards

SEVERITY LEVEL	AIR DIRCHARGE	DIRECT DISCHARGE
1	2 KV	2 KV
2	4 KV	4 KV
3	8 KV	6 KV
4	15 KV	8 KV

IEC61000-4-2 compliant ESD current pulse waveform