Scope

- Lead free type
- SMD type zinc oxide based ceramic chip
- Insulator over coat keeps excellent low and stable leakage current
- Plating termination provided good solder-ability characteristic
- Wide operating voltage range
- Quick response time (<1ns)
- Low clamping voltage
- Meet IEC 61000-4-2 standard
- Low capacitance can meet high speed single transient voltage protection

Applications

Applications for I/O Port such as RS232, USB, PS2, VGA, Audio on Mother Board and Notebook, Set-Top Box, MP3 Players, DVD Players, and Docking System etc.
Low Capacitance Product Applications for High Speed I/O port such as HDMI, DVI, USB, and IEEE1394 etc.

Part Numbering System

T	E	S	B	XRX	V05	B	1X	—
①	②	③	④	⑤	⑥	⑦	⑧	⑨

(1) Company Name: TT-TECH
(2) Product Function: ESD
(3) Material Type: Advanced Ceramics
(4) Chip Size (EIA): B(0402)
(5) Capacitance:Value-XRX=X.XpF,Ex:0R5=0.5pF; 3R0=3.0pF
(6) Working Voltage: V_{DC}
(7) Direction Type: Bidirectional
(8) Lines Protected: 1X=1 line
(9) Capacitance Tolerance: I - ±0.3pF, T -±1.4pF, Q (or L) - ±2.0pF and N -±30%

智路科技-EMC方案的最佳选择

Part Characteristics

General Characteristics

CHIP SIZE	Part Number	Rated Voltage	Varistor Voltage	clamping Voltage	CAPACITANCE	Components
		V_R	V_V	V_C	C_P	
		Max	Typ	Typ	Typ	
		V	V	V	pf	
0603 SINGLE (0201)	TESA15R0V05B1X	5	12	20	15	
	TESA15R0V05B1X	5	12	20	3	
1005 SINGLE (0402)	TESB3R0V05B1X	5	12	20	3	
	TESB3R0V09B1X	9	12	20	3	
	TESB3R0V24B1X	24	35	78	3	
	TESB5R0V05B1X	5	12	25	5	
	TESB5R0V09B1X	9	12	35	5	
	TESB5R0V18B1X	18	25	58	5	
	TESB33R0V05B1X	5	10	25	33	
	TESB10R0V09B1X	9	12	35	10	
	TESB20R0V14B1X	14	21	48	20	
1608 SINGLE (0603)	TESC3R0V05B1X	5	8	25	3	
	TESC3R0V12B1X	12	21	48	3	
	TESC3R0V24B1X	24	35	78	3	
	TESC5R0V05B1X	5	10	25	5	
	TESC20R0V14B1X	14	21	48	15	
	TESC5R0V09B1X	9	12	35	5	
	TESC33R0V05B1X	5	12	25	33	
	TESC10R0V09B1X	9	12	35	10	
	TESC10R0V18B1X	18	25	58	10	

韬略科技-EMC方案的最佳选择