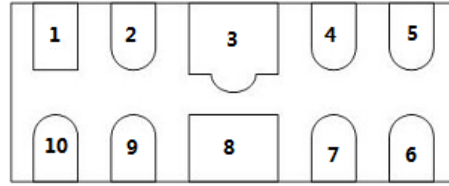


BV_ULC0524P Transient Voltage Suppressor

FEATURES

- 150 Watts peak pulse power per Line(tp=8/20μS)
- Low capacitance: 0.3pF typical (I/O to I/O)
- Low operating voltage: 5V
- RoHS Compliant
- Moisture sensitivity level: Level 1
- Weight 15 Milligrams (Approximate)



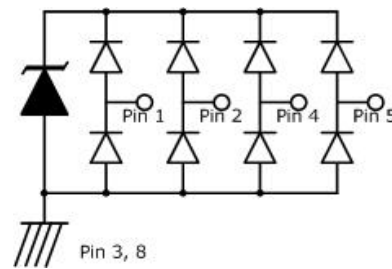
IEC COMPATIBILITY

- IEC61000-4-2 (ESD) ±15kV (air), ±8kV (contact)
- IEC61000-4-4 (EFT) 40A (5/50ns)
- IEC61000-4-5 (Lightning) 5A (8/20μs)

APPLICATIONS

- High Defi nition Multi-Media Interface (HDMI)
- Digital Visual Interface (DVI)
- Unifi ed Display Interface (UDI)
- DisplayPort™
- MDDI Ports
- PCI Express
- Serial ATA

DSON-10



Electrical Parameter @ T=25°C RH = 45%-75%

RATING	SYMBOL	VALUE	UNITS
Peak pulse power(tp=8/20us waveform)	PPP	150	Watts
Lead soldering temperature	TL	260(10sec)	°C
operating temperature range	TJ	-55~150	°C
Storage Temperature Range	TSTG	-55~150	°C

PART NUMBER AND ELECTRICAL PARAMETER @ T=25°C RH = 45%-75%

Part Number	Marking	VDRM	IDRM	VBR	IR	Vc	Ipp	Vc	Ipp	Co
		V	μA	V	mA	V	A	V	A	pF
			MAX	MIN		MAX		MAX		MAX
BV_ULC0524P	P524	5	5	6	1	15	1	25	5	0.8

- ①、Off-state capacitance is measured in VDC=0V,VRMS=1V,F=1MHz
- ②、All measurements are made at an ambient temperature of 25°C
- ③、Surge Waveform: 8/20μS

PART NUMBERING SYSTEM

BV **ULC0524P**

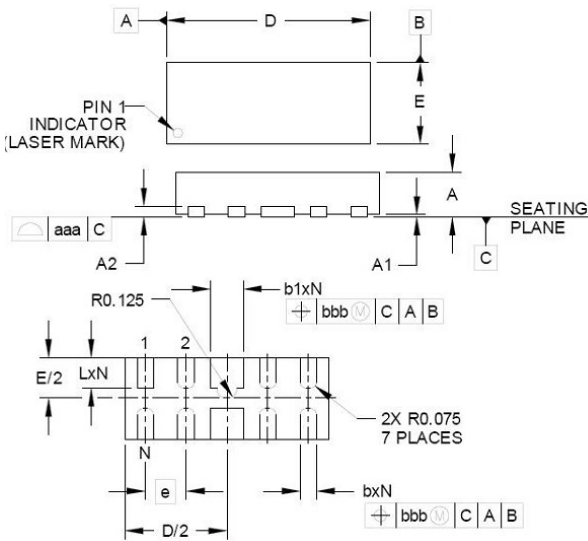
(1) (2)

- (1) Bencent Transient Voltage Suppressor
 (2) Series: ULC0524P etc.



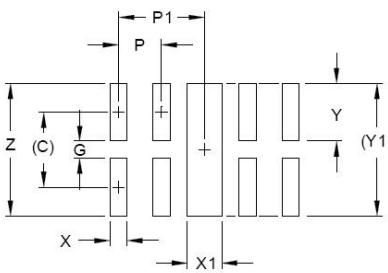
BV_ULC0524P Transient Voltage Suppressor

DIMENSIONS

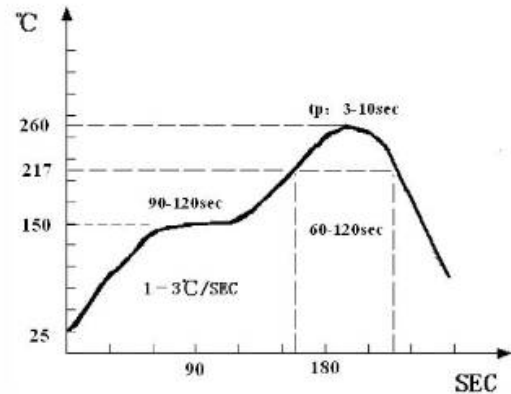


DIM	INCHES			MILLIMETERS		
	MIN	NOM	MAX	MIN	NOM	MAX
A	.020	.023	.026	0.50	0.58	0.65
A1	0.00	.001	.002	0.00	0.03	0.05
A2	(.005)			(0.13)		
b	.006	.008	.010	0.15	0.20	0.25
b1	.014	.016	.018	0.35	0.40	0.45
D	.094	.098	.102	2.40	2.50	2.60
E	.035	.039	.043	0.90	1.00	1.10
e	.020 BSC			0.50 BSC		
L	.012	.015	.017	0.30	0.38	0.425
N	10			10		
aaa	.003			0.08		
bbb	.004			0.10		

RECOMMENDED SOLDERING PAD AND REFLOW



DIM	INCHES	MILLIMETERS
C	(.034)	(0.875)
G	.008	0.20
P	.020	0.50
P1	.039	1.00
X	.008	0.20
X1	.016	0.40
Y	.027	0.675
Y1	(.061)	(1.55)
Z	.061	1.55



OUTLINE	REEL (PCS)	PER CARTON (PCS)	REEL DIAMETERS (mm)	CARTON SIZE(mm)		
				L	W	H
TAPING	3,000	90,000	177	360	370	220

Remark:

Add the parameter of Moisture sensitivity level
Add item of unit Weight

Special Notes

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