

# DTK-PVP27B Series

Fixed Camera Surge Protection



DTK-PVP27B    DTK-PVP27BP    DTK-PVP27BTPV

**DITEK's DTK-PVP27B Series** PVP27B protects all the sensitive feeds to fixed cameras, not just the video cable. Simple to install, the PVP27B series protects 12/24 Volt power conductors and video conductors in one compact design. With the lowest video let through voltage on the market, the PVP27B provides ideal surge protection for today's sensitive, high-quality fixed cameras.

## Product Features

- Each compact design protects power and video conductors
- 5 Amp, 12/24V circuit protects power feeds to camera, heater, blower, defroster
- Single point ground improves protection and speeds installation
- Multi-stage, SAD technology, hybrid design provides the best possible protection
- DTK-PVP27BP includes passive Balun conversion

## Applications

- Fixed Analog Cameras with Coax (DTK-PVP27B)
- Twisted Pair Video (DTK-PVP27BTPV)
- Passive Balun Connections (DTK-PVP27BP)
- HD-CVI, AHD and HD-TVI Cameras

## Accessories

- DIN Rail Mounting Kit – Part Number DTK-DRK

## Technical Specifications

	DTK-PVP27	B	BP	TPV
<b>Service Voltage (Power):</b>	12/24V AC/DC			
<b>Service Voltage (Video):</b>		2V peak-to-peak	<5V peak-to-peak	2V peak-to-peak
<b>Clamping Voltage:</b>	33VAC / 47VDC (Power), 2.8VDC (Video)			
<b>Protection Modes:</b>	All Lines to Ground (Power) Center-Shield, Shield-G (Video)			
<b>Surge Current Rating (Power):</b>	2,000 Amps/pair (8/20µs)			
<b>Surge Current Rating (Video):</b>	C-S: 10,000A, S-G: 150A	114 Amps/pair (10/1000µs)		
<b>Video Band Pass:</b>	0Hz – 10MHz	0Hz – 8MHz	0Hz – 2GHz	
<b>Insertion Loss:</b>	N/A	<2dB – 8MHz	N/A	
<b>Return Loss:</b>	N/A	>15dB – 8MHz	N/A	
<b>Impedance:</b>	75Ω	75Ω BNC/100Ω Terminal	N/A	
<b>Common Mode Rejection:</b>	N/A	>40dB @ 8MHz	N/A	

## Mechanical Characteristics

<b>Connection Method (Power):</b>	Screw Terminals (#22 - #14 AWG)		
<b>Connection Method (Video):</b>			
<b>Housing:</b>	ABS		
<b>Operating Temperature:</b>	-40°F – 158°F (-40°C – 70°C)		
<b>Dimensions:</b>	3.86"L x 2.09"W x 1.37"H (98mm x 53mm x 35mm)	"3.86L x 2.09"W x 1.59"H (98mm x 53 mm x 35mm)	
<b>Weight:</b>	2.56 oz (73g)		

## Quality, Standards & Approval

<b>Agency Approvals:</b>	UL497B
<b>Warranty:</b>	Ten Year Limited Warranty

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