

OPTOELECTRONIC DEVICES

NEC

T-41-83

Optoisolators
Can Type

Part Number	Features	Absolute Maximum Ratings ($T_A = 25^\circ\text{C}$)			Electrical Characteristics ($T_A = 25^\circ\text{C}$)		
		BV (V _{r.m.s.})	I _F (mA)	I _C (mA)	CTR (%)	t _r (μs) (Typ.)	t _f (μs) (Typ.)
PS1001	5 pin, Hermetic CAN	1 k (DC)	60	50	20 to	5	5

Multichannel Type

Part Number*	Features	Absolute Maximum Ratings ($T_A = 25^\circ\text{C}$)			Electrical Characteristics ($T_A = 25^\circ\text{C}$)		
		BV (V _{r.m.s.})	I _F (mA)	I _C (mA)	CTR (%)	t _r (μs) (Typ.)	t _f (μs) (Typ.)
PS2501-1 PS2501L-1	4 pin DIP 1 channel	5 k	80	50	80 to 600	3	5
PS2501-2 PS2501L-2	8 pin DIP 2 channels						
PS2501-3 PS2501L-3	12 pin DIP 3 channels						
PS2501-4 PS2501L-4	16 pin DIP 4 channels						
PS2502-1 PS2502L-1	4 pin DIP 1 channel	5 k	80	200	200 to	100	100
PS2502-2 PS2502L-2	8 pin DIP 2 channels						
PS2502-3 PS2502L-3	12 pin DIP 3 channels						
PS2502-4 PS2502L-4	16 pin DIP 4 channels						
PS2503-1 PS2503L-1	4 pin DIP 1 channel	5 k	50	30	100 to 400	8 (R _L =10 k Ω)	60 (R _L =10 k Ω)
PS2503-2 PS2503L-2	8 pin DIP 2 channels						
PS2503-3 PS2503L-3	12 pin DIP 3 channels						
PS2503-4 PS2503L-4	16 pin DIP 4 channels						
PS2505-1 PS2505L-1	4 pin DIP 1 channel	5 k	± 80	50	80 to 600	3	5
PS2505a-2 PS2505aL-2	8 pin DIP 2 channels						
PS2505-3 PS2505L-3	12 pin DIP 3 channels						
PS2505-4 PS2505L-4	16 pin DIP 4 channels						
PS2506-1 PS2506L-1	4 pin DIP 1 channel	5 k	± 80	200	200 to	100	100
PS2506-2 PS2506L-2	8 pin DIP 2 channels						
PS2506-3 PS2506L-3	12 pin DIP 3 channels						
PS2506-4 PS2506L-4	16 pin DIP 4 channels						

*L suffix designates lead formed (gullwing) package for surface mount applications.