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**D16-4148
and
D16-4150
Switching Diode Array**

CIRCUIT DIAGRAM

FEATURES

- 8 Diode Array
- Standard 16 pin Dual-In-Line Package
- UL 94V-0 Flammability Classification

MECHANICAL

- Molded 16 Pin Dip
- Weight: 1.026 grams (approximate)
- Marking: Logo, device number, date code
- Pin #1 defined by DOT on top of package

MAXIMUM RATINGS

- Operating Temperatures: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Forward Surge Current: 2.0Amps (8.3 mS)
- Peak Reverse voltage V_{RM} : D16-4148/100V, D16-4150/75V
- Steady state reverse voltage V_R : D16-4148/75V, D16-4150/50V
- Continuous forward current I_F : 400mA
- Power dissipation (P_D): 500mW
- Derating factor: 4.0 mW/°C

PACKAGING

- Carrier tube 25 pcs per (STANDARD)

ELECTRICAL CHARACTERISTICS @ 25°C Unless otherwise specified

Part Number	$V_{BR} @ I_{BR} = 100\mu A$		$I_r +25^\circ C$		$I_r +50^\circ C$	CAP @ 0 Volts pF MAX	trr (nS) MAX
	VOLTS MIN	μA MAX	VOLTS @Vr	μA MAX	VOLTS @Vr		
D16-4148	100	.025 .100	20 50	50 100	20 50	4.0	5.0
D16-4150	75	.100	50	100	75	2.5	4.0

Part Number	$V_f @ I_f = 1 \text{ mA}$		$V_f @ I_f = 10 \text{ mA}$		$V_f @ I_f = 50 \text{ mA}$		$V_f @ I_f = 100 \text{ mA}$		$V_f @ I_f = 200 \text{ mA}$	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
D16-4148	--	--	--	1.00	--	--	--	1.20	--	--
D16-4150	0.54	0.62	0.68	0.74	0.76	0.86	0.82	0.92	0.87	1.00

