

1N4942, 1N4944, 1N4946, 1N4947, 1N4948 Axial Leaded Hermetically Sealed Fast Recovery Rectifier Diodes

POWER DISCRETES

Description

Quick reference data

 $V_{R} = 200 - 1000 \text{ V}$

 $I_0 = 1.0A$

 $t_{rr} = 150 \text{ to } 500 \text{ nS}$

V = 1.2V

Features

- ◆ Low reverse leakage current
- ◆ Hermetically sealed in Metoxilite fused metal oxide
- ◆ Low forward voltage drop

These products are qualified to MIL-PRF-19500/359

Electrical Specifications

Electrical specifications @ T_{Δ} = 25°C unless otherwise specified.

Types	V _{RWM}	I _F (AV) @ 55°C		I _{FSM}	I _{FRM} @ tp=8.3ms	T _{RR}	V _F (@ I _F	I _R @ V _{RWM}		C _J @ 5V 1MHz	T _{stg}	RθjL	
		-pcb mid	L = 3/8"						25°C	100°C			3/8"	0"
	V(pk)	А	Α	А	А	ns	V	Α	μA	μA	pF	°C	C/W°C	C/W°C
1N4942	200	1.0	2.0	25	6.0	150	1.2	1.0	0.5	25	27	-65 to +175	3	7
1N4944	400	1.0	2.0	25	6.0	150	1.2	1.0	0.5	25	27	-65 to +175	3	7
1N4946	600	1.0	2.0	25	6.0	250	1.2	1.0	0.5	25	27	-65 to +175	3	7
1N4947	800	1.0	2.0	25	6.0	250	1.2	1.0	0.5	25	18	-65 to +175	3	7
1N4948	1000	1.0	2.0	25	6.0	500	1.2	1.0	0.5	25	18	-65 to +175	3	7



POWER DISCRETES

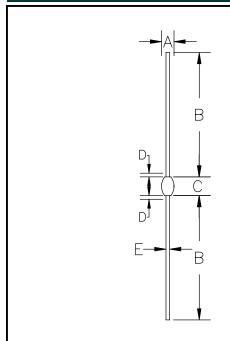
Ordering Information

Part Number	Description
1N4942	
1N4944	
1N4946	Axial leaded hermetically sealed(1)
1N4947	-
1N4948	

Note:

(1) Available in bulk or tape and reel packaging. Please consult factory for quantities.

Outline Drawing



G2

	DIMENSIONS							
	DIM	М	М	INC	NOTE			
	וועו	MIN	MAX	MIN	MAX	NOIL		
	Α	1.6	2.8	.065	.110	_		
	В	25.4	33.0	1.00	1.30	_		
	С	3.5	4.2	.140	.165			
	D	_	.80	_	.030	1		
	E	.66	.84	.026	.033	_		

NOTE:

1. LEAD DIAMETER UNCONTROLLED OVER THIS REGION.

Contact Information

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