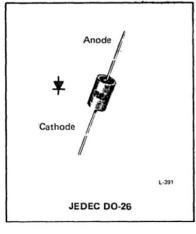


## Rectifiers 1N3255 1N3193 1N3195 1N3253 1N3256 1N3194 1N3196 1N3254 1N3563



## Diffused-Junction Silicon Rectifiers

For Industrial and Consumer-Product Applications

## Features:

- Cylindrical design with axial leads for simple handling and installation
- Compact, hermetically sealed metal case (0.405" max. length; 0.240" max. dia.)
- Insulated types 1N3253, 1N3254, 1N3255, 1N3256, and 1N3563 have transparent, high-dielectric-strength plastic sleeve over metal case

RCA-1N3193, 1N3194, 1N3195, 1N3196, 1N3253, 1N3254, 1N3255, 1N3256, and 1N3563 are hermetically sealed silicon rectifiers of the diffused-junction type utilizing small cylindrical metal cases and axial leads. Types 1N3253, 1N3254, 1N3255, and 1N3256 are insulated versions of types 1N3193, 1N3194, and 1N3196, respectively. Type 1N3563 is an insulated rectifier which does not have an uninsulated equivalent.

- High maximum forward-current ratings up to 750 milliamperes at 75 °C
- Peak-reverse-voltage ratings 200 to 1000 volts
- Maximum free-air operating temperature 100 °C
- Designed to meet stringent temperature-cycling and humidity requirements of critical industrial and consumer-product applications

## RECTIFIER SERVICE (For a supply-line frequency of Hz)

MAXIMUM RATINGS, Absolute-Maximum Values:	:
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•	For resistive or inductive load					r or capacitor-input filter					
	1N3193 1N3253	1N3194 1N3254	1N3195 1N3255	1N3196 1N3256	1N3563	1N3193 1N3253	1N3194 1N3254	1N3195 1N3255	1N3196 1N3256	1N3563	
PEAK REVERSE VOLTAGE	200	400	600	800	1000	200	400	600	800	1000	volts
RMS SUPPLY VOLTAGE	140	280	420	560	700	70	140	210	280	350	volts
DC	750	750	750	500	400	500	500	500	400	300	ma
PEAK RECURRENT SURGE - For "turn-on" time	_	-	-	-	-	6	6	6	5	4	amp
of 2 milliseconds FREE-AIR-TEMPERATURE RANGE:	-	-	-	-	-	35	35	35	35	35	amp
Operating	4					) +100				-	oC
Storage  LEAD TEMPERATURE:  For 10 seconds maximum											°C
Characteristics, At a Free-Air Temperature of 25°C:											
,		1N3193 1N3253	-	N3194 N3254		N3195 N3255	1N31 1N32		1N3563		
Maximum Instantaneous Forward Voltage Drop at dc forward current											
of 0.5 ampere		1.2		1.2		1.2	1.	2	1.2		volts
Dynamic, at TFA = 75°C*		0.2		0.2		0.2	0.	2	0.2		ma
Static, at TFA = 25°C**		0.005	. 0	.005	0	.005	0.00	5	0.005		ma

<sup>\*</sup>At max, peak reverse voltage and max, dc forward current,

<sup>\*\*</sup>At max, peak reverse voltage and zero forward current.