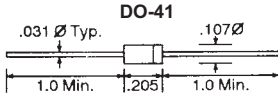
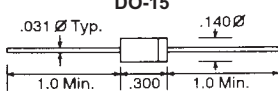
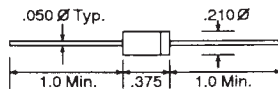
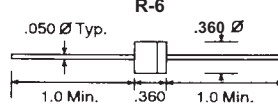
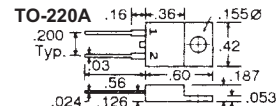
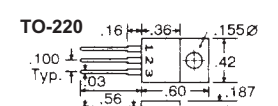
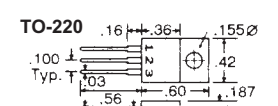


# LEADED (THRU-HOLE) High Efficiency & Super Fast Rectifiers

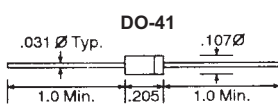
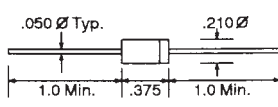
## HIGH EFFICIENCY RECTIFIERS

Operating Temperature: -65°C to 125°C

RF Part Number	Cross Reference	Max Avg. Rectified Current	Peak Inverse Voltage	Peak Fwd Surge Current @ 8.3ms Superimposed	Max Forward Voltage @ 25°C @ Rated I <sub>O</sub>	Reverse Recovery Time @ Rated PIV	Max Reverse Current @ 25°C @ Rated PIV	Package Bulk/Reel	Outline (Max in inches)
		I <sub>O</sub> (A)	PIV(V)	I <sub>FSM</sub> (A)	V <sub>FM</sub> (V)	T <sub>RR</sub> (ns)	I <sub>R</sub> ( A)		
HER101	UF4001	1.0 A	50	30	1.0	50	5	1000/5000	 <p><b>DO-41</b> .031 ∅ Typ. .107 ∅ 1.0 Min. .205 1.0 Min.</p>
HER102	UF4002	1.0 A	100	30	1.0	50	5	1000/5000	
HER103	UF4003	1.0 A	200	30	1.0	50	5	1000/5000	
HER104	UF4004	1.0 A	300	30	1.0	50	5	1000/5000	
HER105		1.0 A	400	30	1.3	50	5	1000/5000	
HER106	UF4005	1.0 A	600	30	1.7	70	5	1000/5000	
HER107	UF4006	1.0 A	800	30	1.7	70	5	1000/5000	
HER151		1.5 A	50	50	1.0	50	5	500/4000	 <p><b>DO-15</b> .031 ∅ Typ. .140 ∅ 1.0 Min. .300 1.0 Min.</p>
HER152		1.5 A	100	50	1.0	50	5	500/4000	
HER153		1.5 A	200	50	1.0	50	5	500/4000	
HER154		1.5 A	300	50	1.0	50	5	500/4000	
HER155		1.5 A	400	50	1.3	50	5	500/4000	
HER156		1.5 A	600	50	1.7	80	5	500/4000	
HER157		1.5 A	800	50	1.7	80	5	500/4000	
HER301	UF5400	3.0 A	50	150	1.0	50	10	500/1200	 <p><b>DO-201AD</b> .050 ∅ Typ. .210 ∅ 1.0 Min. .375 1.0 Min.</p>
HER302	UF5401	3.0 A	100	150	1.0	50	10	500/1200	
HER303	UF5402	3.0 A	200	150	1.0	50	10	500/1200	
HER304	UF5403	3.0 A	300	150	1.0	50	10	500/1200	
HER305	UF5404	3.0 A	400	150	1.3	50	10	500/1200	
HER306	UF5406	3.0 A	600	150	1.7	75	10	500/1200	
HER307	UF5407	3.0 A	800	150	1.7	75	10	500/1200	
HER601		6.0 A	50	200	1.0	60	10	200/500	 <p><b>R-6</b> .050 ∅ Typ. .360 ∅ 1.0 Min. .360 1.0 Min.</p>
HER602		6.0 A	100	200	1.0	60	10	200/500	
HER603		6.0 A	200	200	1.0	60	10	200/500	
HER604		6.0 A	300	200	1.0	60	10	200/500	
HER605		6.0 A	400	200	1.3	60	10	200/500	
HER606		6.0 A	600	200	1.7	75	10	200/500	
HER607		6.0 A	800	200	1.7	75	10	200/500	
HERA801G		8.0 A	50	125	1.3	50	10	50/Tube	 <p><b>TO-220A</b> .16 .36 .155 ∅ .200 Typ. .03 .42 .56 .60 .187 .024 .126 .053</p>
HERA802G		8.0 A	100	125	1.3	50	10	50/Tube	
HERA803G		8.0 A	200	125	1.3	50	10	50/Tube	
HERA804G		8.0 A	300	125	1.3	50	10	50/Tube	
HERA805G		8.0 A	400	125	1.3	50	10	50/Tube	
HERA806G		8.0 A	600	125	1.5	80	10	50/Tube	
HERA807G		8.0 A	800	125	1.5	80	10	50/Tube	
HERA1601G		16.0 A	50	250	1.3	50	10	50/Tube	 <p><b>TO-220</b> .16 .36 .155 ∅ .100 Typ. .03 .42 .56 .60 .187 .024 .126 .053</p>
HERA1602G		16.0 A	100	250	1.3	50	10	50/Tube	
HERA1603G		16.0 A	200	250	1.3	50	10	50/Tube	
HERA1604G		16.0 A	300	250	1.3	50	10	50/Tube	
HERA1605G		16.0 A	400	250	1.3	50	10	50/Tube	
HERA1606G		16.0 A	600	250	1.5	80	10	50/Tube	
HERA1607G		16.0 A	800	250	1.5	80	10	50/Tube	
HER1601G		16.0 A	50	125	1.3	50	10	50/Tube	 <p><b>TO-220</b> .16 .36 .155 ∅ .100 Typ. .03 .42 .56 .60 .187 .024 .126 .053</p>
HER1602G		16.0 A	100	125	1.3	50	10	50/Tube	
HER1603G		16.0 A	200	125	1.3	50	10	50/Tube	
HER1604G		16.0 A	300	125	1.3	50	10	50/Tube	
HER1605G		16.0 A	400	125	1.3	50	10	50/Tube	
HER1606G		16.0 A	600	125	1.5	80	10	50/Tube	
HER1607G		16.0 A	800	125	1.5	80	10	50/Tube	

## SUPER FAST RECTIFIERS

Operating Temperature: -65°C to 125°C

RF Part Number	Cross Reference	Max Avg. Rectified Current	Peak Inverse Voltage	Peak Fwd Surge Current @ 8.3ms Superimposed	Max Forward Voltage @ 25°C @ Rated I <sub>O</sub>	Reverse Recovery Time @ Rated PIV	Max Reverse Current @ 25°C @ Rated PIV	Package Bulk/Reel	Outline (Max in inches)
		I <sub>O</sub> (A)	PIV(V)	I <sub>FSM</sub> (A)	V <sub>FM</sub> (V)	T <sub>RR</sub> (ns)	I <sub>R</sub> ( A)		
SF 11		1.0 A	50	30	0.950	35	5.0	1000/5000	 <p><b>DO-41</b> .031 ∅ Typ. .107 ∅ 1.0 Min. .205 1.0 Min.</p>
SF 12		1.0 A	100	30	0.950	35	5.0	1000/5000	
SF 13		1.0 A	150	30	0.950	35	5.0	1000/5000	
SF 14		1.0 A	200	30	0.950	35	5.0	1000/5000	
SF 15		1.0 A	300	30	1.300	35	5.0	1000/5000	
SF 16		1.0 A	400	30	1.300	35	5.0	1000/5000	
SF21		2.0 A	50	50	0.950	35	5.0	500/4000	
SF22		2.0 A	100	50	0.950	35	5.0	500/4000	
SF23		2.0 A	150	50	0.950	35	5.0	500/4000	
SF24		2.0 A	200	50	0.950	35	5.0	500/4000	
SF25		2.0 A	300	50	1.300	35	5.0	500/4000	
SF26		2.0 A	400	50	1.300	35	5.0	500/4000	
SF31		3.0 A	50	125	0.950	35	5.0	500/1250	 <p><b>DO-201AD</b> .050 ∅ Typ. .210 ∅ 1.0 Min. .375 1.0 Min.</p>
SF32		3.0 A	100	125	0.950	35	5.0	500/1250	
SF33		3.0 A	150	125	0.950	35	5.0	500/1250	
SF34		3.0 A	200	125	0.950	35	5.0	500/1250	
SF35		3.0 A	300	125	1.300	35	5.0	500/1250	
SF36		3.0 A	400	125	1.300	35	5.0	500/1250	