



SENSITRON SEMICONDUCTOR

HIGH VOLTAGE RECTIFIERS

OPERATING AND STORAGE TEMPERATURE -65°C TO +150°C

TYPE	Maximum Peak Reverse Voltage	Maximum Average Rectified Current @Halt-Wave Resistive Load 60Hz		Maximum Forward Peak Surge Current @8.3ms Superimposed	Maximum Reverse Current @PRV @25°C T _A	Maximum Forward Voltage @25°C T _A		Maximum Reverse Recovery Time
	PRV	I _O @ T _A		I _{FM} (Surge)	I _R	I _{FM}	V _{FM}	T _{rr}
	V _{PK}	A _{AV}	°C	A _{PK}	μA _{dc}	V _{PK}	V _{PK}	Ns

0.2 AMPERE-HIGH VOLTAGE / DO-41/DO-15



R1200	1200	500	50	30	5.0	0.5	2.0	--
R1500	1500	500	50	30	5.0	0.5	2.0	--
R1800	1800	500	50	30	5.0	0.5	2.0	--
R2000	2000	200	50	30	5.0	0.2	3.0	--
R2500	2500	200	50	30	5.0	0.2	3.0	--
R3000	3000	200	50	30	5.0	0.2	4.0	--
*R4000	4000	200	50	30	5.0	0.2	5.0	--
*R5000	5000	200	50	30	5.0	0.2	5.0	--

0.2 AMPERE-HIGH VOLTAGE FAST RECOVERY / DO-41/DO-15



R1200F	1200	500	50	30	5.0	0.5	2.5	500
R1500F	1500	500	50	30	5.0	0.5	2.5	500
R1800F	1800	500	50	30	5.0	0.5	2.5	500
R2000F	2000	200	50	30	5.0	0.2	4.0	500
R2500F	2500	200	50	30	5.0	0.2	4.0	500
R3000F	3000	200	50	30	5.0	0.2	5.0	500
*R4000F	4000	200	50	30	5.0	0.2	6.5	500
*R5000F	5000	200	50	30	5.0	0.2	6.5	500

NOTE: 1. *DO-15 Package.

2. T_{rr} Test Conditions: I_F=0.5A, I_R=1.0A, Recovery to 0.25A.

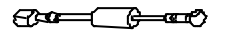
0.35 AMPERE-HIGH VOLTAGE MINIATURE / HVM



HVM5	5000	350	50	50	5.0	0.35	8.0	--
HVM8	8000	350	50	50	5.0	0.35	13.5	--
HVM10	10000	350	50	50	5.0	0.35	13.5	--
HVM12	12000	350	50	50	5.0	0.35	13.5	--
HVM14	14000	350	50	50	5.0	0.35	14.0	--
HVM15	15000	350	50	50	5.0	0.35	14.0	--

NOTE: Operating and Storage Temperature -20°C to +135°C

HIGH VOLTAGE PROTECTOR DIODE / HVM



TYPE	Peak Recurrent Reverse Voltage (V _{RRM})		Reverse Breakdown Voltage @I _R =100 μA(V _{BR})		Max. Reverse Current @V _{RRM} (I _R)
	D ₁ (V)	D ₂ (V)	D ₁ (V)	D ₂ (V)	μA
HVR6X2	6000	1500	7000min	2100-2800	10