




ULTRA-FAST RECOVERY HIGH VOLTAGE SILICON DIODES



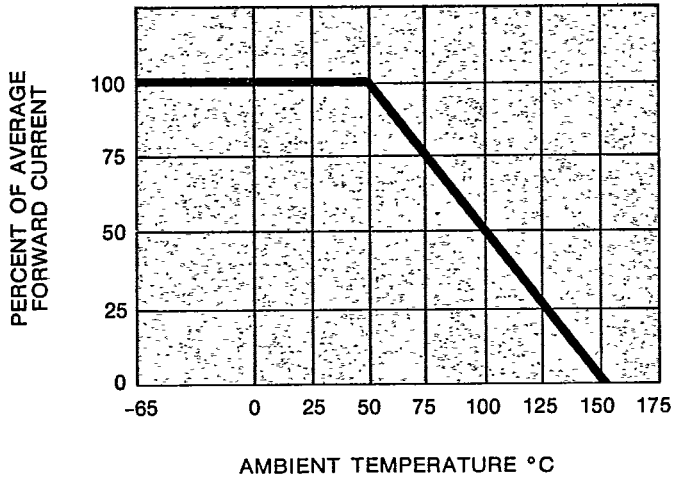
1500 TO 10000V
25 TO 80 MA
100 N SEC REVERSE RECOVERY
LOW REVERSE LEAKAGE

PART NUMBER	PEAK INVERSE VOLTAGE PIV	AVERAGE RECTIFIED CURRENT I_O		MAXIMUM REVERSE CURRENT @ PIV I_R		MAXIMUM FORWARD VOLTAGE V_F		MAX SURGE CURRENT 1 CYCLE I_{FS}	MAX SURGE CURRENT REC I_{FSR}	MAX REVERSE RECOVERY TIME T_{RR1}	MAXIMUM JUNCTION CAPACITANCE C_J
		55°C	100°C	25°C	100°C	25°C	MA				
		MA	MA	μA	μA	VOLTS					
M15UF	1500	80	40	.10	10	7.0	25	8	.8	100	2.0
M20UF	2000	80	40	.10	10	7.0	25	8	.8	100	2.0
M25UF	2500	80	40	.10	10	7.0	25	8	.8	100	2.0
M30UF	3000	40	20	.10	10	9.0	25	4	.4	100	1.0
M40UF	4000	40	20	.10	10	9.0	25	4	.4	100	1.0
M50UF	5000	40	20	.10	10	9.0	25	4	.4	100	1.0
M60UF	6000	25	12.5	.10	10	14.0	25	2	.2	100	1.0
M80UF	8000	25	12.5	.10	10	14.0	25	2	.2	100	1.0
M100UF	10000	25	12.5	.10	10	14.0	25	2	.2	100	1.0

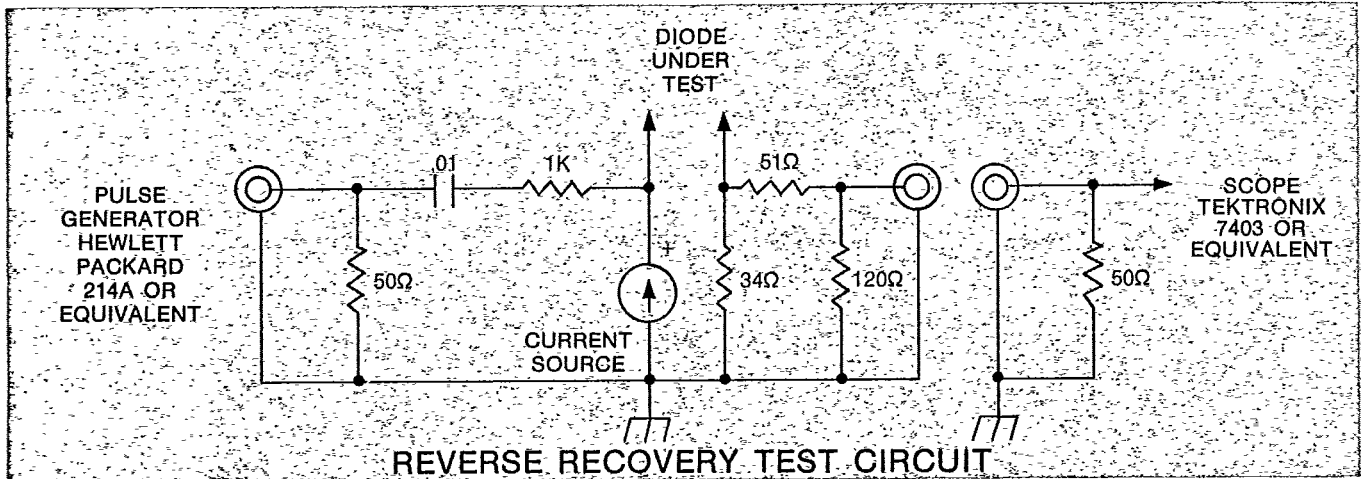
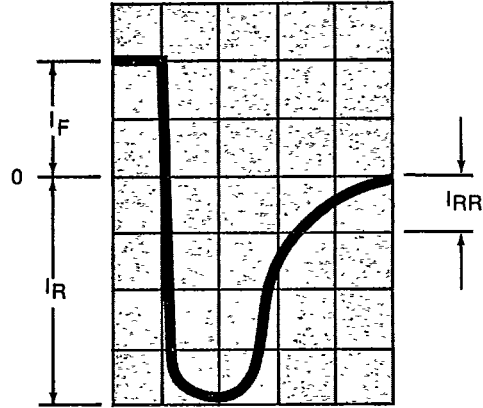
- NOTES:
- $I_F = 12.5$ MA
 $I_R = 25$ MA
 $I_{RR} = 6.25$ MA
 - See reverse side of data sheet for additional information.
- Operating Temperature -65°C to +150°C
Storage Temperature -65°C to +175°C
Data subject to change without notice.

APPLICATION INFORMATION

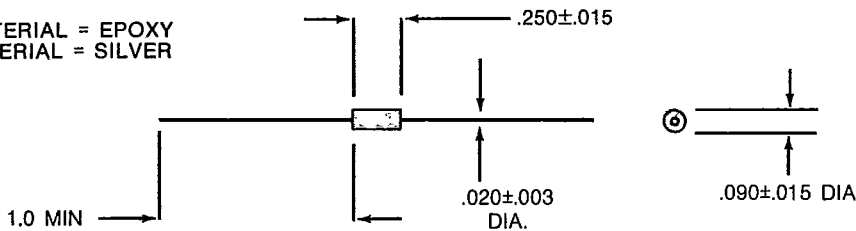
MAXIMUM FORWARD CURRENT VS. TEMPERATURE



REVERSE RECOVERY WAVE FORM



BODY MATERIAL = EPOXY
LEAD MATERIAL = SILVER



vmi VOLTAGE MULTIPLIERS, INC.

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