

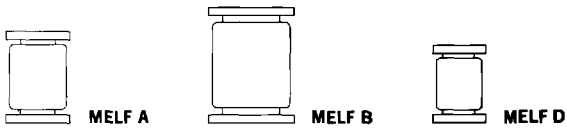
# SURFACE MOUNT PACKAGES

## Ultra-Fast & Standard Recovery Rectifiers

### PRODUCT SELECTION GUIDE

#### UNIBOND SWITCHING DIODES

Average DC Output Current	300mA @ TEC $\approx$ 110°C
Package Style	Melf D
150V	1N6638U
100V	1N6642U
75V	1N6643U



#### ULTRA-FAST RECTIFIERS

Average DC Output Current		1.0A	2.5A	6A
Package Style		Melf A	Melf A	Melf B
Peak Inverse Voltage	50V	UES1001SM	UES1101SM SM5802	UES1301SM SM5807
	$t_{rr}$	25ns	25ns	30ns
	100V	UES1002SM	UES1102SM SM5804	UES1302SM SM5809
	$t_{rr}$	25ns	25ns	30ns
	150V	UES1003SM	UES1103SM SM5806	UES1303SM SM5811
	$t_{rr}$	25ns	25ns	30ns

#### STANDARD RECOVERY RECTIFIERS

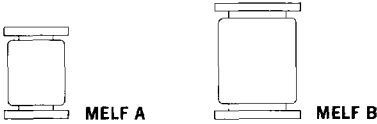
Average DC Output Current		2A	1A	5A
Package Style		Melf A	Melf A	Melf B
Peak Inverse Voltage	200V	SM3611 SM4245	SM5614 SM5615	SM5550 SM5417
	400V	SM3612 SM4246	SM5616 SM5617	SM5551 SM5418
	600V	SM3613 SM4247	SM5618 SM5619	SM5552 SM5419
	800V	SM3614 SM4248	SM5620	SM5553
	1000V	SM4249		

Contact factory for Rectifiers, Zeners, TVSs, and PINs not displayed in this section.

# SURFACE MOUNT PACKAGES

## Power Zeners & Transient Voltage Suppressors

PRODUCT SELECTION GUIDE



POWER ZENERS

Power		3W	10W	6W
Package Style		Melf A	Melf B	Melf A
Voltage $V_Z$ (5% Tolerance)	5.6V		SM5968	
	6.2V		SM5969	
	6.8V	SM4461	SM4954	UZ706SM
	7.5V	SM4462	SM4955	UZ707SM
	8.2V	SM4463	SM4956	UZ708SM
	9.1V	SM4464	SM4957	UZ709SM
	10V	SM4465	SM4958	UZ710SM
	11V	SM4466	SM4959	
	12V	SM4467	SM4960	UZ712SM
	13V	SM4468	SM4961	UZ713SM
	14V			UZ714SM
	15V	SM4469	SM4962	UZ715SM
	16V	SM4470	SM4963	UZ716SM
	18V	SM4471	SM4964	UZ718SM
	20V	SM4472	SM4965	UZ720SM
	22V	SM4473	SM4966	UZ722SM
	24V	SM4474	SM4967	UZ724SM
	27V	SM4475	SM4968	UZ727SM
	30V	SM4476	SM4969	UZ730SM
	33V	SM4477	SM4970	UZ733SM
	36V	SM4478	SM4971	UZ736SM
	39V	SM4479	SM4972	
	40V			UZ740SM
	43V	SM4480	SM4973	
	45V			UZ745SM
	47V	SM4481	SM4974	
	50V			UZ750SM
	51V	SM4482	SM4975	
	56V	SM4483	SM4976	UZ756SM
	60V			UZ760SM
	62V	SM4484	SM4977	

POWER ZENERS

Power		3W	10W	6W
Package Style		Melf A	Melf B	Melf A
Voltage $V_Z$ (5% Tolerance)	68V	SM4485	SM4978	
	70V			UZ770SM
	75V	SM4486	SM4979	UZ775SM
	80V			UZ780SM
	82V	SM4487	SM4980	
	90V			UZ790SM
	91V	SM4488	SM4981	
	100V	SM4489	SM4982	UZ110SM
	110V	SM4490	SM4983	UZ111SM
	120V	SM4491	SM4984	UZ112SM
	130V	SM4492	SM4985	UZ113SM
	140V			UZ114SM
	150V	SM4493	SM4986	UZ115SM
	160V	SM4494	SM4987	UZ116SM
	170V			UZ117SM
	180V	SM4495	SM4988	UZ118SM
	190V			UZ119SM
	200V	SM4496	SM4989	UZ120SM
	220V		SM4990	UZ122SM
	240V		SM4991	UZ124SM
	260V			UZ126SM
	270V		SM4992	
	280V			UZ128SM
	300V		SM4993	UZ130SM
	320V			UZ132SM
	330V		SM4994	
	340V			UZ134SM
	360V		SM4995	UZ136SM
	380V			UZ138SM
	390V		SM4996	
	400V			UZ140SM

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TRANSIENT VOLTAGE SUPPRESSORS

Part No.			Stand-Off Voltage $V_R$	Min. Breakdown Voltage $BV_{rmin}$ @ 1mA	Max. Peak Pulse Current $I_{PP}$	Max. Clamping Voltage $V_C$ @ $I_{PP}$	Peak Power for 1mS
			(V)	(V)	(A)	(V)	(W)
Package Style	Melf B	SM6461	5.0	5.6 @ 25mA	56	9	500
		SM6462	6.0	6.5 @ 20mA	46	11	
		SM6463	12.0	13.6 @ 5mA	22	22.6	
		SM6464	15.0	16.4 @ 5mA	19	26.5	
		SM6465	24.0	27.0 @ 2mA	12	41.4	
		SM6466	30.5	33.0 @ 1mA	11	47.5	
		SM6467	40.3	43.7 @ 1mA	8	63.5	
		SM6468	51.6	54.0 @ 1mA	6	78.5	

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