



Micro Commercial Components



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DL5817 THRU DL5819

Features

- Schottky Barrier Rectifier
- Guard Ring Protection
- Low Forward Voltage
- Low Power Loss For High Efficiency
- High Current Capability
- Surface Mount Applications
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates Compliant. See ordering information)

Maximum Ratings

- Operating Temperature: -55°C to +125°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 15°C/W Junction To Lead

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
DL5817		20V	14V	20V
DL5818		30V	21V	30V
DL5819		40V	28V	40V

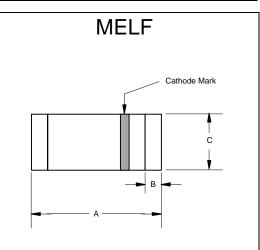
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	1.0A	$T_A = 90^{\circ}C$
Peak Forward Surge	I _{FSM}	25A	8.3ms, half sine
Current			
Maximum			
Instantaneous			
Forward Voltage			
DL5817	VF	.45V	I _{FM} = 1.0A;
DL5818		.55V	T _J = 25°C*
DL5819		.60V	
Maximum DC			
Reverse Current At	I _R	1.0mA	T _{.1} = 25°C
Rated DC Blocking			-
Voltage			

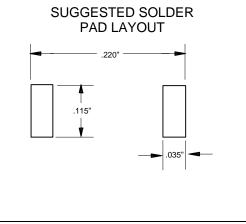
*Pulse test: Pulse width 300 µsec, Duty cycle 2%

Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7.

1 Amp Schottky Barrier Rectifier 20 to 40 Volts



DIMENSIONS						
	INCHES		ММ			
DIM	MIN	MAX	MIN	MAX	NOTE	
А	.190	.205	4.80	5.20		
В		.022		.55	Nominal	
С	.095	.105	2.40	2.67	Ø	

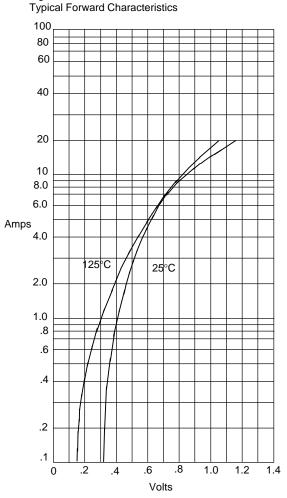


DL5817

Figure 1

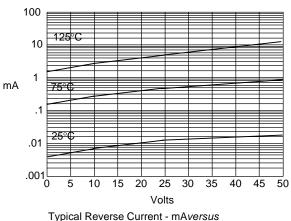


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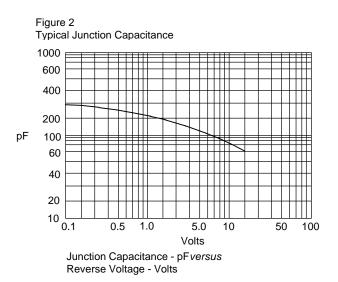


Instantaneous Forward Current - Amperesversus Instantaneous Forward Voltage - Volts

Figure 3 Typical Reverse Characteristics



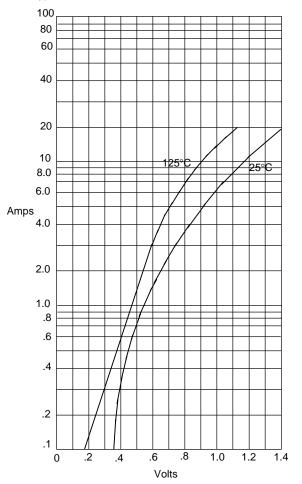
Reverse Voltage - Volts



DL5818 thru DL5819

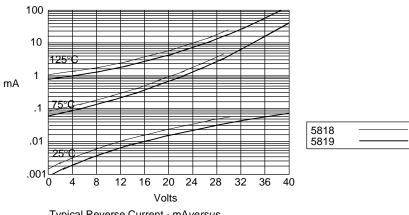
Figure 1

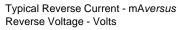
Typical Forward Characteristics



Instantaneous Forward Current - Amperesversus Instantaneous Forward Voltage - Volts

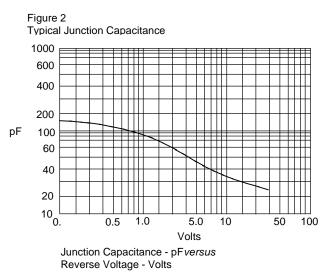
Figure 3 Typical Reverse Characteristics







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Ordering Information :

Device	Packing		
Part Number-TP	Tape&Reel: 5Kpcs/Reel		

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