- Fast switching speed
- High conductance
- High reverse breakdown voltage rating
- Surface mount package ideally suited for automatic insertion

- Small signal switch

Parameter	Symbol	Test conditions	MIN	Typ	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)R}$	I_R=150μA	350			V
Reverse voltage leakage current	I_R	V_R=240V V_R=240V T_j=150		30 35	100 100	nA μA
Forward voltage	V_F	I_F=20mA I_F=100mA I_F=200mA		0.78 0.93 1.03	0.87 1.0 1.25	V
Total capacitance	C_T	V_R=0V,f=1MHz		1.0	5.0	pF
Reverse recovery time	t_{rr}	I_F=I_R=30mA, I_{rr}=0.1×I_R,R_L=100Ω			50	ns

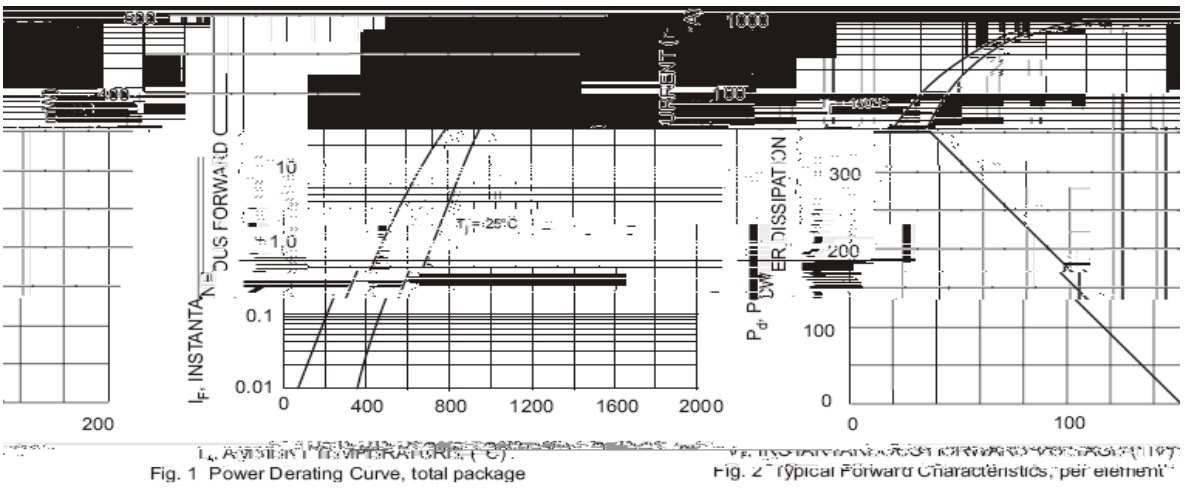

Fig. 1 Power Derating Curve, total package

Fig. 2 Typical Forward Characteristics, per element

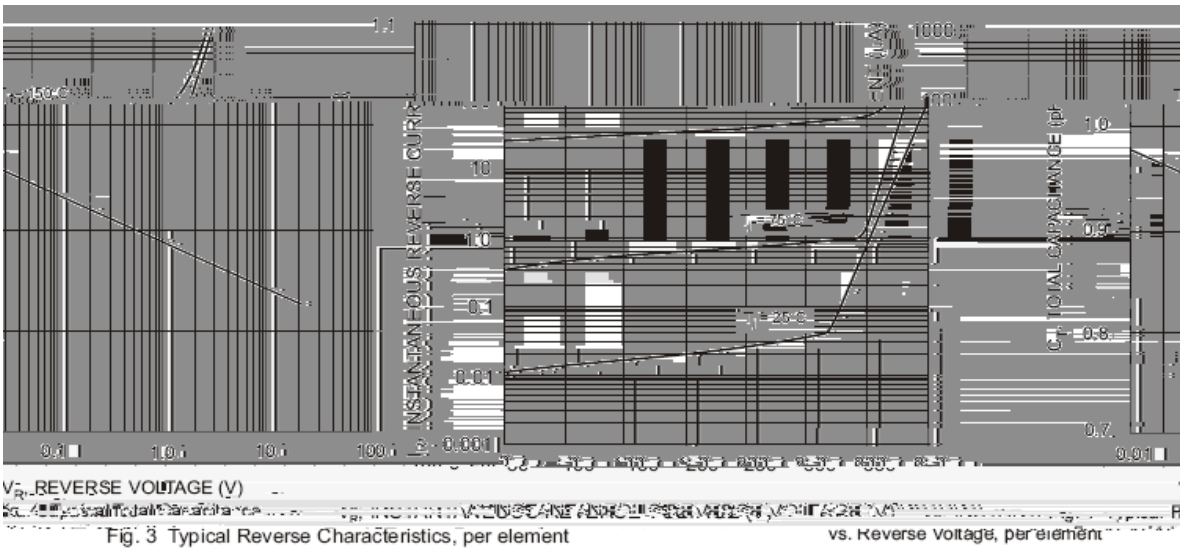

Fig. 3 Typical Reverse Characteristics, per element

vs. Reverse Voltage, per element

Ordering information

Package	Packing Description	Base Quantity	Packing Quantity
SOT-23	Tape/Reel,7”reel	3000pcs/Reel	24000PCS/Box 120000PCS/Carton

Package Dimensions

SOT-23

Dim.	Millimeter (mm)		mil	
	Min.	Max.	Min.	Max.
A	0.9	1.15	35	45
A1	0.1		3.9	
bp	0.38	0.48	15	19
C	0.09	0.15	3.54	5.9
D	2.8	3.0	110	118
E	1.2	1.4	47	55
E	1.9		75	

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