

Maximum Ratings (@T_A = 25°C unless otherwise specified.)

Characteristic		Symbol	Value	Unit
Non-Repetitive Peak Reverse Voltage		V _{RM}	100	V
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage		V _{RRM} V _{RWM} V _R	100	V
RMS Reverse Voltage		V _{R(RMS)}	71	V
Forward Continuous Current (Note 5)		I _{FM}	200	mA
Non-Repetitive Peak Forward Surge Current	@ t = 1.0μs @ t = 1.0ms @ t = 1.0s	I _{FSM}	4.0 1.0 0.5	A

Thermal Characteristics

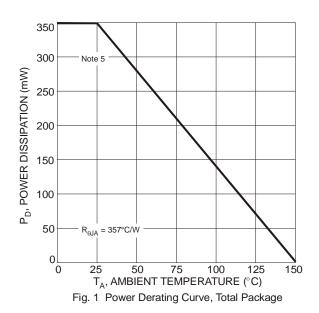
Characteristic	Symbol	Value	Unit
Power Dissipation (Note 5)	PD	350	mW
Thermal Resistance Junction to Ambient Air (Note 5)	R _{θJA}	357	°C/W
Operating and Storage Temperature Range	TJ, TSTG	-55 to +150	°C

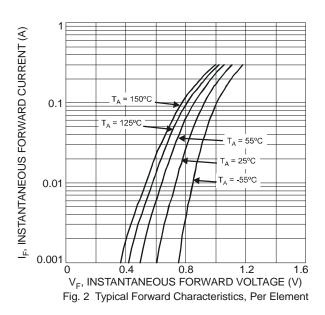
Electrical Characteristics (@T_A = 25°C unless otherwise specified.)

Characteristic	Symbol	Min	Max	Unit	Test Condition
Reverse Breakdown Voltage (Note 6)	V _{(BR)R}	100	_	V	$I_R = 100 \mu A$
	VF		0.715		I _F = 1.0mA
Forward Voltage		_	0.855		I _F = 10mA
			1.0		$I_F = 50 \text{mA}$
			1.25		I _F = 150mA
	IR	_	0.5	μA	V _R = 80V
Leakage Current (Note 6)			50	μA	V _R = 80V, T _J = 150°C
		_	30	μΑ	$V_R = 25V, T_J = 150^{\circ}C$
		_	30	nA	V _R = 25V
Total Capacitance	CT	_	1.5	pF	$V_{R} = 0, f = 1.0MHz$
Reverse Recovery Time	t _{rr}	_	4.0	ns	$I_{F} = I_{R} = 10 \text{mA},$ $I_{rr} = 0.1 \text{ x } I_{R}, R_{L} = 100\Omega$

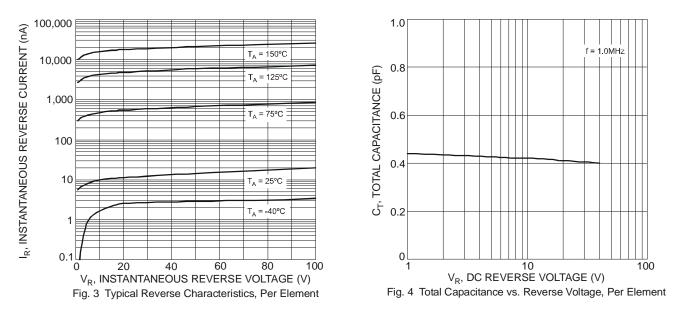
Notes: 5

5. Device mounted on FR-4 PCB, on minimum recommended, 2oz copper pad layout.
6. Short duration pulse test used to minimize self-heating effect.

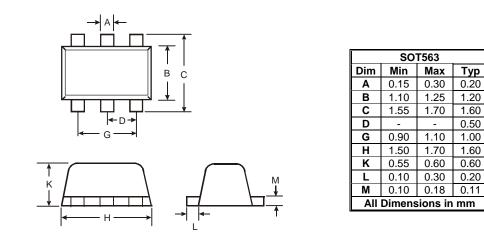




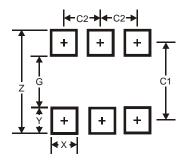




Package Outline Dimensions



Suggested Pad Layout



Dimensions	Value (in mm)
Z	2.2
G	1.2
Х	0.375
Y	0.5
C1	1.7
C2	0.5



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